Weekly Inspections and Analysis Summary

Phase One Hydraulic Fracturing and Flowback

February 4, 2012 through February 9, 2012

Trinity TCC Site – 7504 Pleasant Run Road

Titan Operating – Operator

Titan TCC Site - 7504 Pleasant Run Road - Weekly Inspections and Incident Summary Phase One Fracking/Flowback
Week of January 30 through February 9, 2012

	1/31/12	2/1/12	2/2/12	2/3/12	2/4/12	2/5/12	2/6/12	2/7/12	2/8/12	2/9/12
Wells Fracked (seven wells total)	2	1	1	1	2	**Flowback**				
						Begins				
# OF INSPECTIONS										
Belcheff	2	2	2	2	2	1	1	1	1	1
City	3	2	2	2	1	1	1	0	1	1
VOC Air Quality Inspections	3*	3*	2	2	1	1*	1*	1*	1*	1*
VOC Air Quality Issues/Problems	0	0	0	0	0	0	0	0	0	0
Other Air Quality Issues/Problems	0	0	0	0	0	0	0	0	0	0
*Average PID VOC Measurement on Pad Site***	0.1	0.1	0.1	0.1	0.1	see report	see report	see report	see report	see report
** includes 24 hour automated monitoring*										
*** measured in parts per million*										
INCIDENTS										
Police Dispatches	0	0	1	0	0	0	0	0	0	0
Noise Complaints	3	2	1	0	0	0	0	0	0	0
Fire Dispatches	0	0	0	0	0	0	0	0	0	0
Lighting Complaints	0	0	0	0	0	0	0	0	0	0
Traffic Complaints	0	0	0	0	1	0	0	1	0	0
Other Complaints	0	0	0	0	1	0	0	0	0	0
Trespassing	0	0	0	0	0	0	0	0	0	0
*Documented Liquid Spills**	0	1	0	0	0	0	0	0	0	0
Road Damage	0	0	0	0	0	0	0	0	0	0
** all spills were contained and cleaned*										
VIOLATIONS										
Noise	0	0	0	0	0	0	0	0	0	0
Traffic/Truck Route	2	0	0	0	1	0	0	1	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0

Belcheff

Inspection

Report

City of Colleyville Oil and Gas Well Drilling and Production
Frac Operations Inspection Summary

Well/Pipeline Identification:	Trinity 7504 Pleasant Run Colleyville, Texas 76034
Date(s):	January 31, 2012- February 5, 2012
Inspector:	Christopher Polidore, P.E. Belcheff & Associates, Inc.

General

On Thursday, January 31, 2012 frac operations commenced on the seven Trinity wells. The initial schedule called for completion of fracing operations on Friday, February 3, 2012. However due to delays of sand deliveries, and a minor incident, fracing was complete one day late, on Saturday, February 4, 2012. On Sunday, February 5, 2012 crews were preparing to remove all fracing equipment in preparation for flowback operations. Daily flowback operations, at the earliest, are expected to begin on Monday, February 6, 2012 between the hours of 7 A.M. to 7 P.M. and take an estimated 10-11 days, after which time, the wells will be shut-in.

Security

24/7 security at the site reported few incidents.

A CBS, Channel 11 news report was telecast using video obtained from their mobile unit across the street from the site. Also, a few local residents took pictures from the entrance to the site, particularly during delivery of sand.

Complaints Investigated

On the night of Wednesday February 1, 2012, around 8 P.M., a complaint was lodged by Southlake residents who heard noise and concluded that fracing operations were taking place at the site after-hours. Public safety was dispatched to find the site shut down and no activity except the security guard. It was determined that the noise heard by the residents was a sonic boom caused by a meteor entering the atmosphere in the area. Scientist indicated that the sonic boom could be heard within a 15 mile radius of the meteor.

On February 3, 2012, a complaint was lodged concerning odors, suspected due to the activity at the site. While not conclusive, an investigation considered the source was likely due to overflow

of sanitation sewers behind the resident's property or animal carcasses, all resulting from the intense rain in late January. Animal carcasses are commonplace in culverts and drainage ditches after intense rains.

While inspecting the area for the odor complaint, a couple of passing vehicles beeped horns for an unknown reason. On that same day while driving at 20mph on Pleasant Run, to inspect drainage ditches and culverts along Pleasant Run for animal carcasses, a couple of impatient drivers heading toward Colleyville, crossed the double yellow center line and passed my vehicle near the Colleyville-Southlake bridge.

Noise

On Monday, January 30, 2012, a sound meter was placed in service at the permitted prescribed location. Access to real-time data was made available as well as daily summary reports. At all times the site was in compliance. According to the permit, the maximum allowable noise level is 63dBA during fracing. During fracing operations noise levels were measured around the 61dBA range, with one occasion reaching 63dBA, the maximum allowable.

Other sound surveys were also taken around the site. In the backyard at the property line of 7502 Monroe Court, just outside the 1,000 feet radius around the site, noise levels were measured at 59.2dBA. The average range of speech is 60dBA and considered in the quiet range. Since there is an opening in the west sound wall for water pipes to the frac pond the reading would have been lower without this opening. At many locations within the site, noise levels exceeded the 85dBA OSHA requirement for ear protection. (As a precaution, ear protection is recommended at 80dBA and higher.) Below is a summary of noise readings in and around the site; full technical reports can be found later in this document. Full frequency audio is also available upon request.

Location	dBA	dBC*
7502 Monroe Court Backyard Property Line	59.2	73.3
West Property Line	67.3	81.0
West Outside Sound Wall	70.7	86.9
Inside Site – South Wall	88.9	95.9
Inside Site – North Open Area Wellhead Exposure	89.2	95.6
*dBC also measures lower frequencies attenuated using the dBA scale. dBA is the common scale for measuring typical noise environments.		

Environmental

During fracing operations the predominant visual item is blowing sand which causes what looks like brown clouds of vapor. The sand used was 20/40 mesh medium density. All other tanks are covered or enclosed; on occasion water tanks may be open.

Water used for fracing operations was obtained from the frac pond behind the site which holds about 5 million gallons of water. Each frac stage reduced the pond level about 2 feet which

calculates to approximately 600-700 thousand gallons of water used. The water was replenished from the water well onsite.

A hydraulic hose failed around 2:30 P.M. on February 1, 2012 underneath one of the trucks causing a minor hydraulic spill. Tarps were in place under the trucks which captured the majority of the fluid. It appeared that the fluid amount was less than the required reporting limit, however, the Railroad Commission was notified and an environmental contractor was dispatched to clean up the hydraulic fluid.

A breach in the catchment pond south of the site, caused by excessive rain, was repaired before full fracing operations began. The catchment area remained about ¼ full.

I did not perform any VOC, H2S, or LEL, testing since an independent contractor was performing air quality testing.

Photos

Water Lines at Frac Pond

Water Lines from Site

Fracing of Well "A"

Water Pumps

Blue Sand Tanks

Red Water Tanks

Hydrochloric Acid Truck

Pipe and Rigging Trucks with Cranes

Crew Making Connections

Environmental Air Quality Monitoring

Sand from Conveyor to Hopper

Close-Up of Well "F" Fracing

Proper Safety Protocol

Proper Safety Protocol

Creek Erosion

Creek Water Level Evidence

One of Many Unsecured Sewer Manholes	Ambient Sount Monitoring Station

Independent noise monitoring detailed reports can be found on the following pages

Information Panel

Name	Trinity Fracing 7502 Monroe Court Property Line
S015_BIK030007_31012012_120254	
Start Time	Tuesday, January 31, 2012 10:47:54
Stop Time	Tuesday, January 31, 2012 10:50:58
Device Model Type	SoundPro DL
Comments	

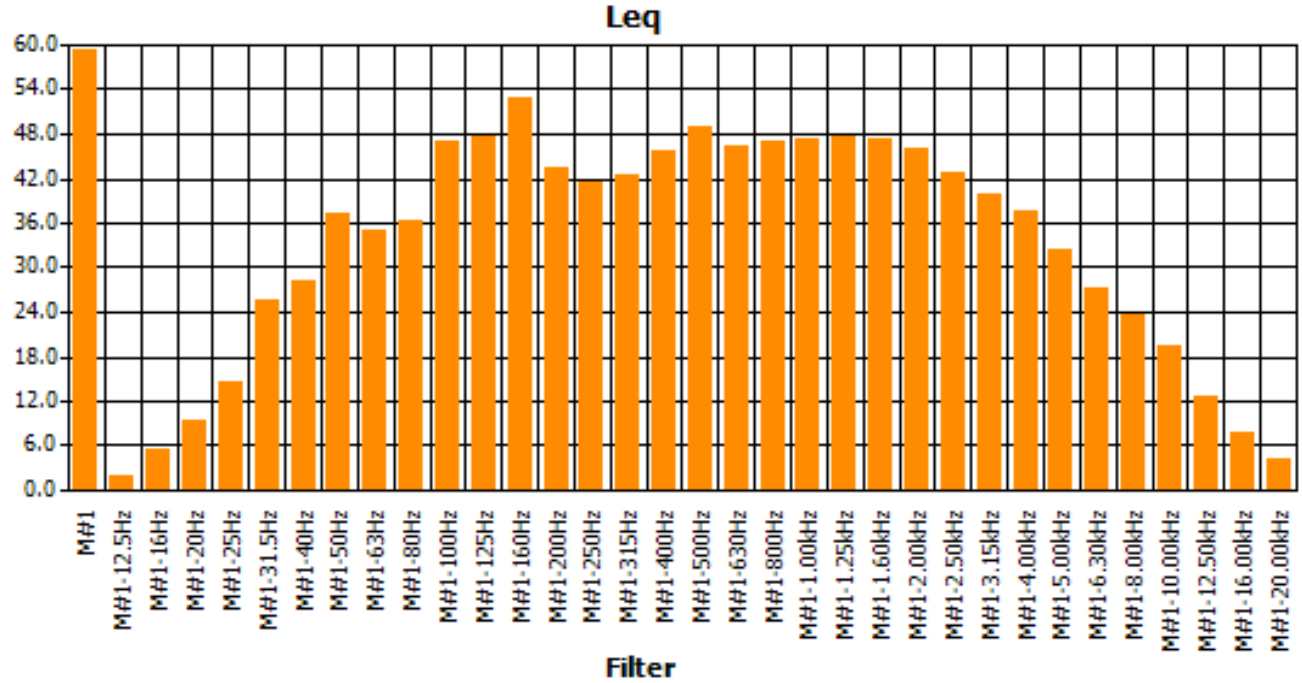
General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq 12.5Hz.	1	2.1 dB	Leq 16Hz.	1	5.6 dB
Leq 20Hz.	1	9.5 dB	Leq 25Hz.	1	14.6 dB
Leq 31.5Hz.	1	25.5 dB	Leq 40Hz.	1	28.2 dB
Leq 50Hz.	1	37.4 dB	Leq 63Hz.	1	35 dB
Leq 80Hz.	1	36.3 dB	Leq 100Hz.	1	47 dB
Leq 125Hz.	1	47.7 dB	Leq 160Hz.	1	52.9 dB
Leq 200Hz.	1	43.5 dB	Leq 250Hz.	1	41.4 dB
Leq 315Hz.	1	42.6 dB	Leq 400Hz.	1	45.6 dB
Leq 500Hz.	1	48.9 dB	Leq 630Hz.	1	46.5 dB
Leq 800Hz.	1	47 dB	Leq 1kHz.	1	47.5 dB
Leq 1.25kHz.	1	47.8 dB	Leq 1.6kHz.	1	47.3 dB
Leq 2kHz.	1	46 dB	Leq 2.5kHz.	1	42.8 dB
Leq 3.15kHz.	1	39.8 dB	Leq 4kHz.	1	37.6 dB
Leq 5kHz.	1	32.5 dB	Leq 6.3kHz.	1	27.1 dB
Leq 8kHz.	1	23.7 dB	Leq 10kHz.	1	19.5 dB
Leq 12.5kHz.	1	12.5 dB	Leq 16kHz.	1	7.9 dB
Leq 20kHz.	1	4.1 dB			

General Data Panel

Description	Meter	Value	Description	Meter	Value
Lmax	2	78.6 dB	Lpk	2	88.5 dB
Leq	2	73.3 dB	Leq	1	59.2 dB
Lmax	1	72.8 dB	Lpk	1	84 dB

Filter Summary Chart



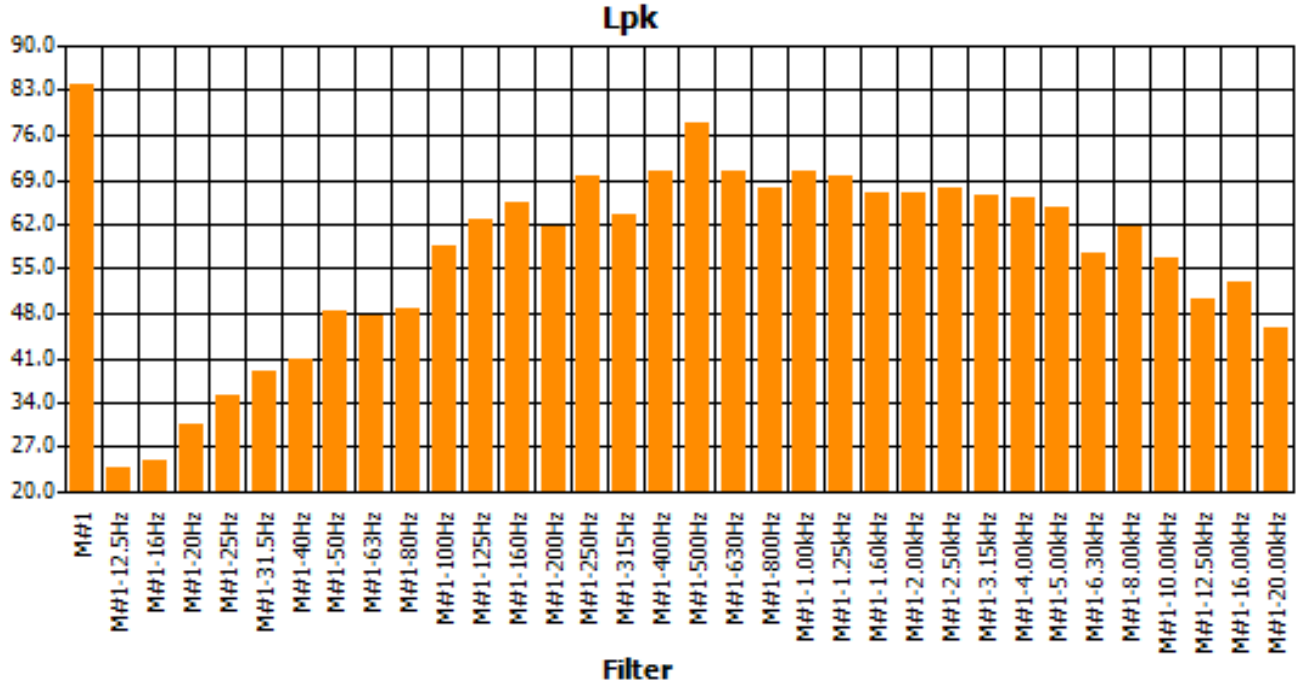
Filter Summary Table

MeterString	Summary Value

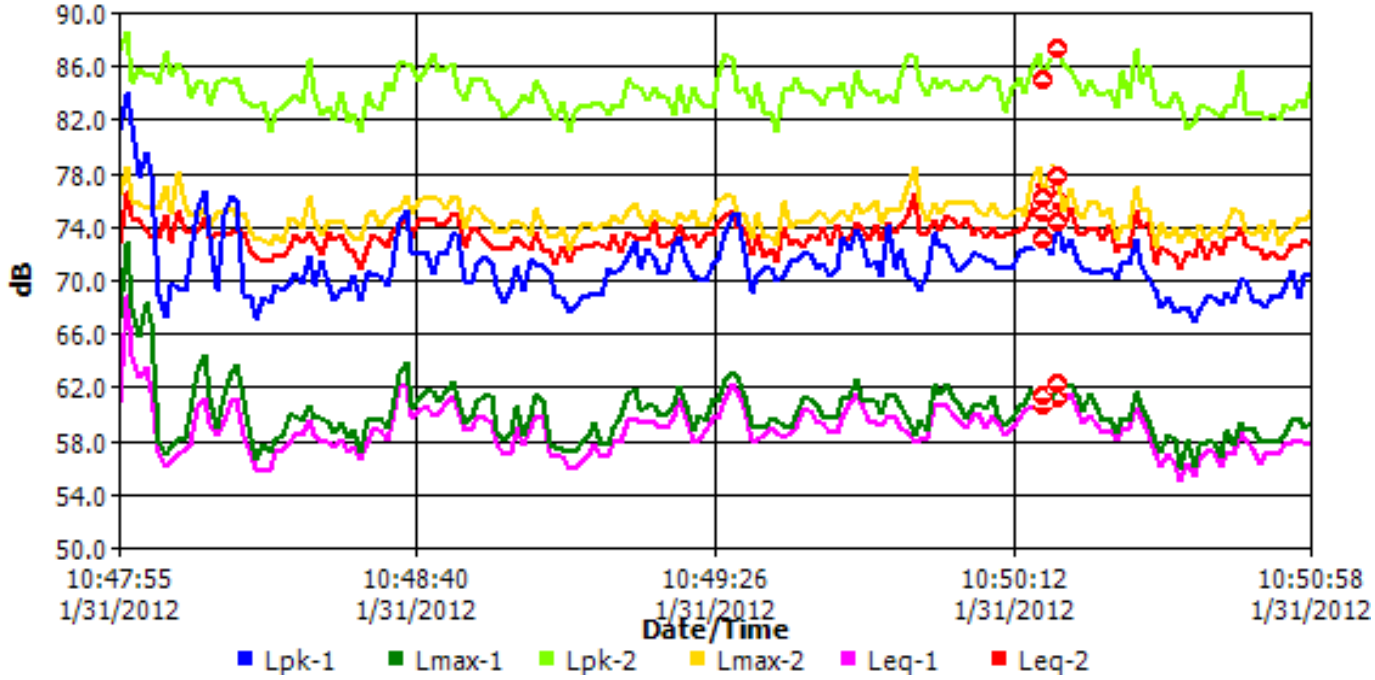
Filter Summary Table (cont'd)

MeterString	Summary Value
M#1	59.2
M#1-12.5Hz	2.1
M#1-16Hz	5.6
M#1-20Hz	9.5
M#1-25Hz	14.6
M#1-31.5Hz	25.5
M#1-40Hz	28.2
M#1-50Hz	37.4
M#1-63Hz	35.0
M#1-80Hz	36.3
M#1-100Hz	47.0
M#1-125Hz	47.7
M#1-160Hz	52.9
M#1-200Hz	43.5
M#1-250Hz	41.4
M#1-315Hz	42.6
M#1-400Hz	45.6
M#1-500Hz	48.9
M#1-630Hz	46.5
M#1-800Hz	47.0
M#1-1.00kHz	47.5
M#1-1.25kHz	47.8
M#1-1.60kHz	47.3
M#1-2.00kHz	46.0
M#1-2.50kHz	42.8
M#1-3.15kHz	39.8
M#1-4.00kHz	37.6
M#1-5.00kHz	32.5
M#1-6.30kHz	27.1
M#1-8.00kHz	23.7
M#1-10.00kHz	19.5
M#1-12.50kHz	12.5
M#1-16.00kHz	7.9
M#1-20.00kHz	4.1

Filter Summary Chart



Logged Data Chart



Logged Data Table

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 10:47:55 AM	81.3	67.2	87.2	76.4	72.8	60.9
1/31/2012 10:47:56 AM	84.0	72.8	88.5	78.3	76.5	68.9
1/31/2012 10:47:57 AM	81.4	67.7	84.7	75.9	74.6	64.1
1/31/2012 10:47:58 AM	77.7	65.8	85.7	75.7	74.4	62.7
1/31/2012 10:47:59 AM	79.4	68.3	85.3	75.4	73.7	63.5
1/31/2012 10:48:00 AM	77.6	66.6	85.4	75.4	73.2	61.5
1/31/2012 10:48:01 AM	68.8	57.9	84.6	75.3	73.1	57.0
1/31/2012 10:48:02 AM	67.2	56.9	87.0	76.9	74.8	56.1
1/31/2012 10:48:03 AM	69.8	57.5	85.3	74.9	72.8	56.4
1/31/2012 10:48:04 AM	69.3	58.1	86.2	78.1	75.1	56.9
1/31/2012 10:48:05 AM	69.2	58.2	85.4	75.5	73.7	57.3
1/31/2012 10:48:06 AM	71.8	60.1	83.6	74.8	73.5	57.6
1/31/2012 10:48:07 AM	75.3	63.3	84.6	74.8	73.7	60.5
1/31/2012 10:48:08 AM	76.6	64.3	84.7	75.3	74.6	61.1
1/31/2012 10:48:09 AM	73.1	61.0	83.1	74.1	73.0	59.1
1/31/2012 10:48:10 AM	69.1	59.0	84.7	75.0	73.6	58.3
1/31/2012 10:48:11 AM	75.0	61.5	85.0	74.9	73.3	59.5
1/31/2012 10:48:12 AM	76.2	63.1	84.7	75.4	73.5	60.9
1/31/2012 10:48:13 AM	75.8	63.6	85.1	74.8	73.5	61.1
1/31/2012 10:48:14 AM	68.9	60.9	83.5	74.9	73.5	58.2
1/31/2012 10:48:15 AM	68.7	58.0	83.1	73.6	72.1	57.0
1/31/2012 10:48:16 AM	67.0	56.6	82.9	73.0	71.7	55.8
1/31/2012	68.6	57.7	83.2	73.0	71.4	55.7

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 10:48:18 AM	68.3	57.2	81.1	72.7	71.4	55.9
1/31/2012 10:48:19 AM	69.6	58.1	82.6	73.3	71.9	57.1
1/31/2012 10:48:20 AM	69.2	58.4	82.8	72.8	71.7	57.3
1/31/2012 10:48:21 AM	69.7	59.8	83.5	74.6	72.4	57.8
1/31/2012 10:48:22 AM	70.4	59.8	83.8	74.5	73.3	58.3
1/31/2012 10:48:23 AM	69.8	59.5	83.2	73.8	72.8	58.3
1/31/2012 10:48:24 AM	71.7	60.5	86.5	76.3	73.6	59.4
1/31/2012 10:48:25 AM	69.5	59.6	83.8	74.4	72.8	58.4
1/31/2012 10:48:26 AM	71.4	59.6	82.4	73.4	71.9	57.9
1/31/2012 10:48:27 AM	69.5	59.3	82.9	74.4	73.5	57.8
1/31/2012 10:48:28 AM	68.4	58.6	82.0	74.2	72.9	57.4
1/31/2012 10:48:29 AM	69.1	59.3	84.0	74.4	73.3	58.1
1/31/2012 10:48:30 AM	69.2	58.2	81.8	73.6	72.3	57.2
1/31/2012 10:48:31 AM	70.2	58.8	82.3	73.2	72.0	57.5
1/31/2012 10:48:32 AM	68.4	57.1	81.1	73.0	70.8	56.5
1/31/2012 10:48:33 AM	70.6	59.7	84.0	74.8	72.5	57.9
1/31/2012 10:48:34 AM	70.3	59.5	83.1	75.1	73.4	58.8
1/31/2012 10:48:35 AM	70.2	59.6	82.7	74.1	73.0	58.7
1/31/2012 10:48:36 AM	69.5	58.9	84.7	74.7	72.5	58.1
1/31/2012 10:48:37 AM	71.0	60.3	84.2	75.1	73.5	59.4
1/31/2012 10:48:38 AM	74.4	63.1	86.2	75.4	74.1	62.0
1/31/2012 10:48:39 AM	75.1	63.7	86.2	76.2	74.8	62.0
1/31/2012 10:48:40 AM	71.9	60.4	85.9	75.0	73.2	59.6
1/31/2012 10:48:41 AM	71.9	61.0	84.9	75.8	74.5	60.1
1/31/2012 10:48:42 AM	72.1	61.7	85.7	76.2	74.4	60.5
1/31/2012 10:48:43 AM	70.4	61.6	86.9	76.1	74.6	59.8
1/31/2012 10:48:44 AM	71.9	60.9	85.5	76.1	74.1	60.0
1/31/2012 10:48:45 AM	71.9	61.6	85.7	75.4	74.3	60.7
1/31/2012 10:48:46 AM	73.3	62.4	86.2	76.3	74.9	61.3
1/31/2012 10:48:47 AM	73.3	61.1	84.1	76.0	74.7	60.4
1/31/2012 10:48:48 AM	69.7	59.3	83.5	73.8	72.4	58.7
1/31/2012 10:48:49 AM	69.9	59.9	85.0	75.3	73.8	58.9
1/31/2012 10:48:50 AM	71.1	60.9	84.8	75.3	73.7	59.8
1/31/2012 10:48:51 AM	71.8	61.2	84.9	74.6	72.9	59.6
1/31/2012 10:48:52 AM	71.1	61.2	83.5	74.3	72.4	59.2
1/31/2012 10:48:53 AM	69.3	58.6	83.5	73.5	72.3	57.7
1/31/2012 10:48:54 AM	68.2	58.1	82.1	73.5	72.2	56.9
1/31/2012 10:48:55 AM	69.4	58.6	82.5	74.3	72.4	57.2
1/31/2012	71.0	60.5	82.8	74.4	73.2	58.9

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 10:48:57 AM	69.1	58.3	83.7	74.1	72.7	57.6
1/31/2012 10:48:58 AM	71.5	59.9	83.2	73.3	72.2	58.9
1/31/2012 10:48:59 AM	71.1	61.4	84.8	75.3	73.6	59.8
1/31/2012 10:49:00 AM	71.0	60.9	84.0	74.0	72.2	59.6
1/31/2012 10:49:01 AM	70.4	57.7	82.7	73.1	72.1	56.9
1/31/2012 10:49:02 AM	68.6	57.5	82.0	73.2	71.1	56.7
1/31/2012 10:49:03 AM	68.7	57.3	83.3	73.8	72.4	56.7
1/31/2012 10:49:04 AM	67.6	57.2	81.0	72.3	71.4	55.9
1/31/2012 10:49:05 AM	68.0	57.2	82.5	73.1	72.3	55.8
1/31/2012 10:49:06 AM	68.7	57.9	83.1	74.1	72.4	56.4
1/31/2012 10:49:07 AM	68.9	58.4	82.8	74.2	72.5	56.9
1/31/2012 10:49:08 AM	68.9	59.2	83.3	73.7	72.6	57.7
1/31/2012 10:49:09 AM	68.8	57.7	83.1	74.1	72.7	56.7
1/31/2012 10:49:10 AM	70.8	57.7	82.3	74.0	72.3	56.9
1/31/2012 10:49:11 AM	70.5	59.0	83.1	74.8	73.3	57.8
1/31/2012 10:49:12 AM	70.8	59.8	82.9	74.2	72.0	57.8
1/31/2012 10:49:13 AM	71.8	61.4	85.0	75.1	73.5	59.5
1/31/2012 10:49:14 AM	72.8	61.8	84.3	75.7	73.2	59.6
1/31/2012 10:49:15 AM	70.8	60.2	84.4	74.8	73.0	59.3
1/31/2012 10:49:16 AM	72.3	60.5	83.4	74.1	72.9	59.5
1/31/2012 10:49:17 AM	71.6	60.6	84.3	75.2	74.4	59.2
1/31/2012 10:49:18 AM	70.4	59.8	83.6	74.4	72.4	59.0
1/31/2012 10:49:19 AM	70.7	60.0	83.6	74.5	72.7	59.0
1/31/2012 10:49:20 AM	72.6	60.7	82.3	74.1	73.0	59.8
1/31/2012 10:49:21 AM	73.1	62.0	84.5	75.0	74.0	61.0
1/31/2012 10:49:22 AM	71.3	60.6	82.6	74.5	73.0	59.7
1/31/2012 10:49:23 AM	70.2	58.8	84.4	75.2	73.3	57.9
1/31/2012 10:49:24 AM	70.1	59.8	83.5	74.0	72.4	58.0
1/31/2012 10:49:25 AM	70.0	59.5	82.9	74.1	73.3	58.8
1/31/2012 10:49:26 AM	71.1	61.0	82.9	74.9	73.4	59.7
1/31/2012 10:49:27 AM	71.5	60.9	85.3	75.8	74.2	59.7
1/31/2012 10:49:28 AM	73.5	62.6	86.8	76.3	74.8	61.1
1/31/2012 10:49:29 AM	74.8	63.0	86.4	76.3	75.1	62.1
1/31/2012 10:49:30 AM	75.0	62.7	83.9	75.0	73.9	61.7
1/31/2012 10:49:31 AM	71.9	61.2	84.3	74.7	73.9	60.4
1/31/2012 10:49:32 AM	69.0	59.1	82.9	73.2	71.9	57.9
1/31/2012 10:49:33 AM	70.2	58.9	84.6	74.9	73.4	58.1
1/31/2012 10:49:34 AM	70.8	59.0	82.5	73.1	71.8	58.4
1/31/2012	70.8	59.6	82.3	73.1	72.2	59.0

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 10:49:36 AM	69.9	59.4	81.1	72.7	71.3	58.6
1/31/2012 10:49:37 AM	70.2	59.1	84.1	75.9	73.9	58.2
1/31/2012 10:49:38 AM	71.3	59.0	84.1	73.8	72.6	58.6
1/31/2012 10:49:39 AM	71.4	59.9	85.0	74.3	72.9	58.9
1/31/2012 10:49:40 AM	71.9	61.1	84.0	74.2	72.5	60.2
1/31/2012 10:49:41 AM	71.9	61.0	84.2	74.4	73.4	60.1
1/31/2012 10:49:42 AM	70.8	60.5	83.6	74.9	73.0	59.3
1/31/2012 10:49:43 AM	71.2	59.8	83.0	74.9	73.9	59.3
1/31/2012 10:49:44 AM	70.2	59.7	84.4	74.3	72.7	58.6
1/31/2012 10:49:45 AM	70.8	59.8	84.2	74.8	74.0	58.6
1/31/2012 10:49:46 AM	73.1	61.1	84.6	75.1	73.2	59.7
1/31/2012 10:49:47 AM	72.2	61.3	82.8	74.4	72.9	60.7
1/31/2012 10:49:48 AM	73.7	62.5	85.5	75.7	74.3	61.5
1/31/2012 10:49:49 AM	73.0	61.1	84.3	74.9	73.9	60.7
1/31/2012 10:49:50 AM	71.0	60.9	83.7	75.3	73.0	59.5
1/31/2012 10:49:51 AM	71.4	60.9	84.1	75.8	74.1	59.3
1/31/2012 10:49:52 AM	70.2	60.0	83.3	74.3	73.0	59.1
1/31/2012 10:49:53 AM	74.0	61.5	83.8	75.3	74.3	59.8
1/31/2012 10:49:54 AM	70.8	61.2	83.2	75.1	73.5	59.7
1/31/2012 10:49:55 AM	72.3	60.6	85.3	75.4	74.1	59.0
1/31/2012 10:49:56 AM	70.3	59.7	86.7	76.9	74.7	58.6
1/31/2012 10:49:57 AM	69.9	58.3	86.6	78.4	76.4	57.9
1/31/2012 10:49:58 AM	69.1	59.4	84.7	75.6	73.3	58.0
1/31/2012 10:49:59 AM	70.5	58.7	83.7	74.5	73.6	58.2
1/31/2012 10:50:00 AM	73.6	62.1	85.1	75.6	74.5	60.5
1/31/2012 10:50:01 AM	72.7	61.4	84.4	75.0	73.7	60.7
1/31/2012 10:50:02 AM	72.5	62.2	84.9	75.6	74.7	60.6
1/31/2012 10:50:03 AM	71.1	61.1	84.2	75.6	74.4	59.8
1/31/2012 10:50:04 AM	70.7	60.8	84.1	75.6	73.8	59.4
1/31/2012 10:50:05 AM	71.1	59.6	84.9	75.9	74.6	58.9
1/31/2012 10:50:06 AM	71.9	60.5	84.1	75.6	73.4	59.9
1/31/2012 10:50:07 AM	71.9	60.8	84.3	75.2	73.9	60.0
1/31/2012 10:50:08 AM	71.6	60.4	85.0	74.7	73.1	59.0
1/31/2012 10:50:09 AM	71.3	61.2	85.1	75.7	73.8	59.8
1/31/2012 10:50:10 AM	70.8	59.9	84.8	75.0	73.2	59.3
1/31/2012 10:50:11 AM	70.8	59.1	82.5	74.6	73.4	58.3
1/31/2012 10:50:12 AM	70.8	59.6	84.4	74.9	73.5	58.9
1/31/2012 10:50:13 AM	72.1	60.6	85.1	75.4	73.7	59.6
1/31/2012	72.2	60.8	84.0	74.7	73.9	60.1

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 10:50:15 AM	72.3	61.8	85.8	77.4	75.2	60.5
1/31/2012 10:50:16 AM	73.2	61.5	86.8	78.4	77.1	60.3
1/31/2012 10:50:17 AM	73.0	61.2	84.8	76.1	74.9	60.5
1/31/2012 10:50:18 AM	71.9	61.0	87.0	78.6	76.9	60.6
1/31/2012 10:50:19 AM	74.2	62.2	87.2	77.6	75.8	61.1
1/31/2012 10:50:20 AM	72.1	61.9	86.2	74.8	73.8	60.9
1/31/2012 10:50:21 AM	72.9	62.2	85.6	76.8	75.4	61.4
1/31/2012 10:50:22 AM	71.3	61.2	84.7	75.0	73.5	60.1
1/31/2012 10:50:23 AM	70.9	60.1	83.7	74.6	73.4	59.2
1/31/2012 10:50:24 AM	70.7	61.4	84.9	75.9	73.9	59.9
1/31/2012 10:50:25 AM	70.5	60.3	84.0	75.7	73.7	59.1
1/31/2012 10:50:26 AM	70.7	59.4	83.8	74.7	73.0	58.5
1/31/2012 10:50:27 AM	70.8	59.7	84.2	75.4	74.1	58.8
1/31/2012 10:50:28 AM	70.1	58.5	82.8	73.0	72.1	58.1
1/31/2012 10:50:29 AM	71.2	59.7	85.5	73.8	72.7	58.8
1/31/2012 10:50:30 AM	71.2	59.5	83.6	73.9	72.4	58.9
1/31/2012 10:50:31 AM	72.9	61.7	87.2	76.9	75.1	60.3
1/31/2012 10:50:32 AM	71.0	60.5	84.7	75.3	73.9	59.7
1/31/2012 10:50:33 AM	70.1	59.4	85.9	75.1	74.2	58.6
1/31/2012 10:50:34 AM	69.2	57.9	83.2	72.4	71.1	56.9
1/31/2012 10:50:35 AM	67.9	57.2	83.0	74.3	72.5	56.0
1/31/2012 10:50:36 AM	68.6	58.3	82.9	73.2	72.0	57.0
1/31/2012 10:50:37 AM	67.6	58.0	84.0	73.9	71.7	56.2
1/31/2012 10:50:38 AM	67.8	55.9	83.2	72.8	70.9	54.9
1/31/2012 10:50:39 AM	67.9	58.1	81.3	73.7	72.1	56.3
1/31/2012 10:50:40 AM	66.8	56.1	81.8	73.2	71.8	55.4
1/31/2012 10:50:41 AM	67.7	57.6	82.9	74.1	73.0	56.5
1/31/2012 10:50:42 AM	68.6	57.8	82.9	72.9	71.6	57.1
1/31/2012 10:50:43 AM	68.7	57.8	82.6	73.9	72.8	57.2
1/31/2012 10:50:44 AM	68.1	56.8	82.2	73.2	71.9	56.0
1/31/2012 10:50:45 AM	69.0	58.8	82.8	74.1	72.9	57.1
1/31/2012 10:50:46 AM	68.3	57.7	82.9	75.3	72.9	56.9
1/31/2012 10:50:47 AM	70.0	59.2	85.6	75.0	73.8	58.5
1/31/2012 10:50:48 AM	70.0	58.8	82.6	73.7	72.6	58.0
1/31/2012 10:50:49 AM	68.5	58.9	82.3	73.4	72.3	57.3
1/31/2012 10:50:50 AM	68.3	57.9	82.6	74.0	72.3	56.2
1/31/2012 10:50:51 AM	68.0	58.1	81.9	73.0	71.5	57.0
1/31/2012 10:50:52 AM	68.9	57.8	82.4	74.4	72.0	56.9
1/31/2012	68.7	58.1	82.0	72.6	71.6	57.1

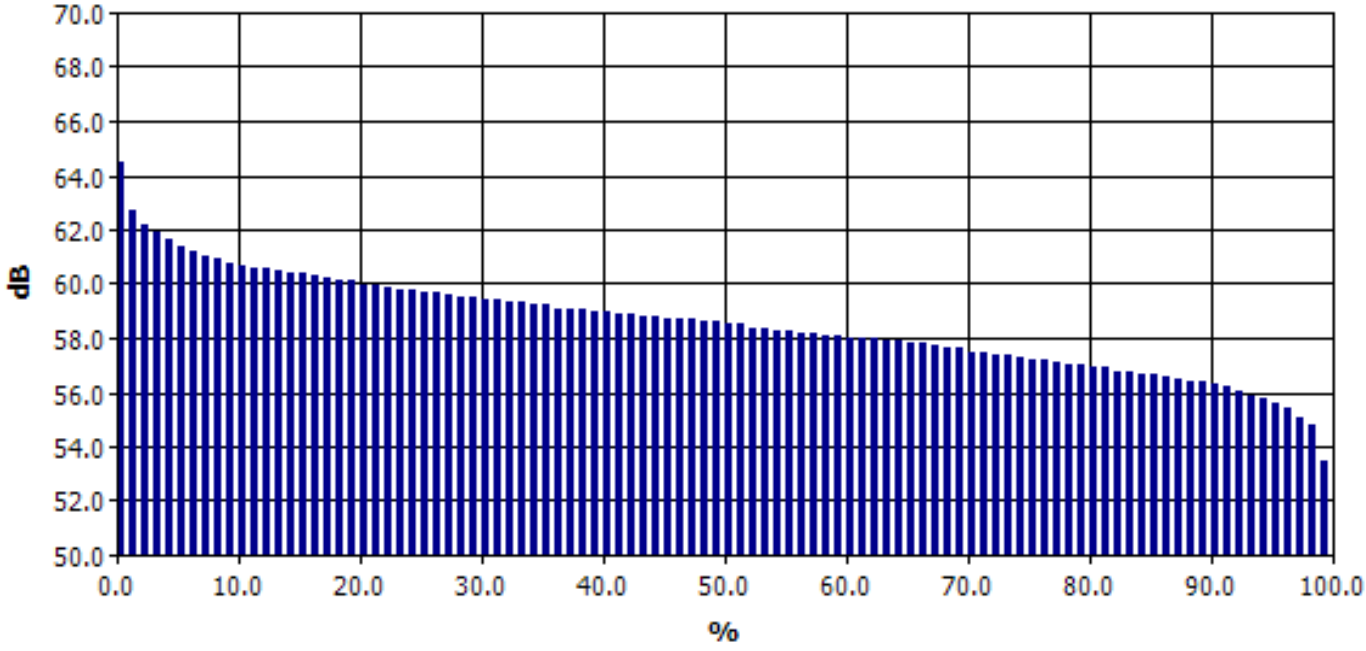
Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 10:50:54 AM	69.4	58.4	83.1	73.4	71.8	57.6
1/31/2012 10:50:55 AM	70.6	59.5	82.7	73.7	72.6	57.8
1/31/2012 10:50:56 AM	68.6	59.6	83.4	74.6	72.5	57.9
1/31/2012 10:50:57 AM	70.5	59.0	82.9	74.5	73.0	57.8
1/31/2012 10:50:58 AM	70.2	59.2	84.7	75.1	72.7	57.6

Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2
54.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.9
55.0	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.7	0.7	4.3
56.0	0.8	0.9	0.9	0.9	0.9	1.3	1.4	1.4	1.6	2.0	12.0
57.0	1.8	1.8	1.9	1.9	0.7	1.8	2.0	1.8	1.8	2.1	17.5
58.0	2.0	2.2	2.0	2.0	2.4	2.0	2.0	2.1	2.5	2.2	21.5
59.0	2.1	2.1	2.3	2.0	2.0	2.0	2.0	1.9	1.7	1.5	19.8
60.0	1.6	1.6	1.7	1.7	0.6	1.7	1.5	1.5	1.5	1.0	14.3
61.0	0.8	0.8	0.7	0.5	0.7	0.4	0.5	0.5	0.3	0.4	5.5
62.0	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.1	0.1	2.2
63.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.8
64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2
65.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3
66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		64.5	62.7	62.2	61.9	61.6	61.4	61.2	61.0	60.9
10%	60.8	60.7	60.6	60.6	60.5	60.4	60.4	60.3	60.2	60.1
20%	60.1	60.0	60.0	59.9	59.8	59.8	59.7	59.7	59.6	59.5
30%	59.5	59.4	59.4	59.3	59.3	59.2	59.2	59.1	59.1	59.1
40%	59.0	59.0	58.9	58.9	58.8	58.8	58.7	58.7	58.7	58.6
50%	58.6	58.5	58.5	58.4	58.4	58.3	58.3	58.2	58.2	58.1
60%	58.1	58.0	58.0	58.0	57.9	57.9	57.8	57.8	57.7	57.6
70%	57.6	57.5	57.5	57.4	57.4	57.3	57.2	57.2	57.1	57.0
80%	57.0	56.9	56.9	56.8	56.8	56.7	56.7	56.6	56.5	56.4

Exceedance Table (cont'd)

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
90%	56.4	56.3	56.2	56.0	55.9	55.8	55.6	55.4	55.1	54.8
100%	53.5									

Information Panel

Name	Trinity Fracing West Property Line S014_BIK030007_31012012_120254
Start Time	Tuesday, January 31, 2012 09:49:28
Stop Time	Tuesday, January 31, 2012 09:51:02
Device Model Type	SoundPro DL
Comments	

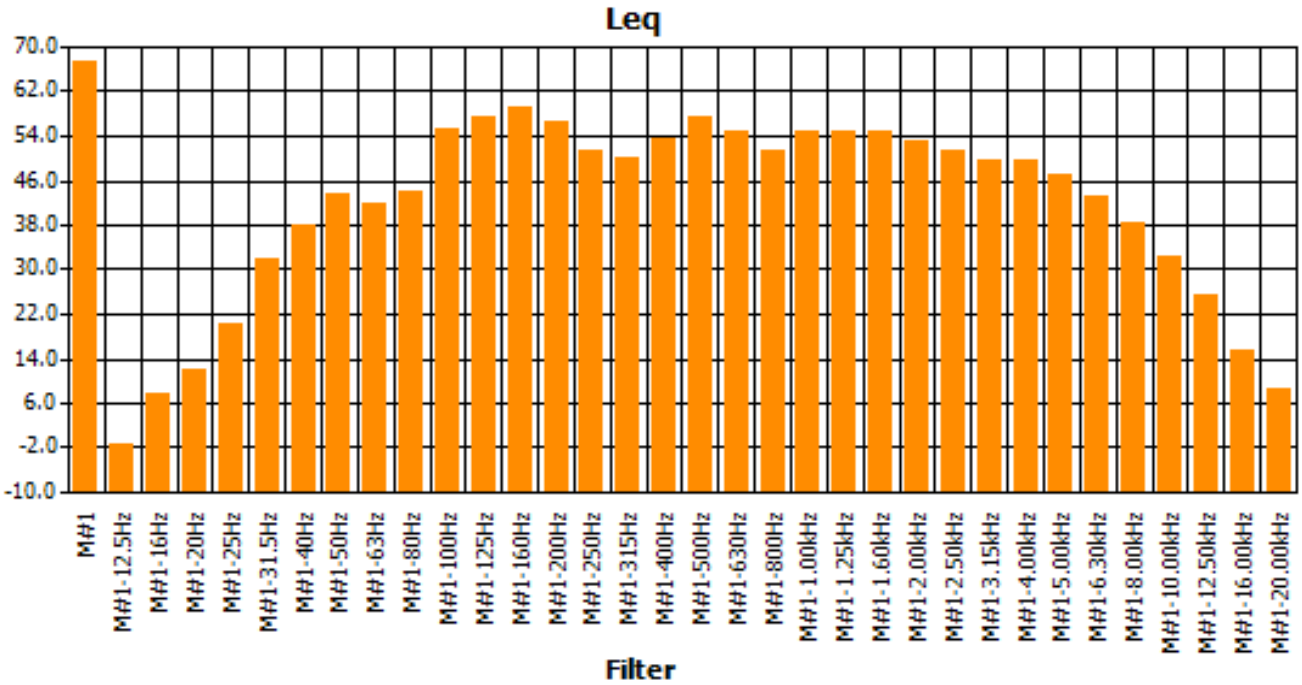
General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq 12.5Hz.	1	-1.5 dB	Leq 16Hz.	1	7.6 dB
Leq 20Hz.	1	11.9 dB	Leq 25Hz.	1	20.3 dB
Leq 31.5Hz.	1	32 dB	Leq 40Hz.	1	38 dB
Leq 50Hz.	1	43.5 dB	Leq 63Hz.	1	41.8 dB
Leq 80Hz.	1	44.2 dB	Leq 100Hz.	1	55.2 dB
Leq 125Hz.	1	57.6 dB	Leq 160Hz.	1	59.2 dB
Leq 200Hz.	1	56.6 dB	Leq 250Hz.	1	51.6 dB
Leq 315Hz.	1	50.1 dB	Leq 400Hz.	1	53.6 dB
Leq 500Hz.	1	57.5 dB	Leq 630Hz.	1	55 dB
Leq 800Hz.	1	51.5 dB	Leq 1kHz.	1	55 dB
Leq 1.25kHz.	1	54.9 dB	Leq 1.6kHz.	1	54.8 dB
Leq 2kHz.	1	53 dB	Leq 2.5kHz.	1	51.6 dB
Leq 3.15kHz.	1	49.8 dB	Leq 4kHz.	1	49.5 dB
Leq 5kHz.	1	47 dB	Leq 6.3kHz.	1	43.1 dB
Leq 8kHz.	1	38.3 dB	Leq 10kHz.	1	32.5 dB
Leq 12.5kHz.	1	25.4 dB	Leq 16kHz.	1	15.5 dB
Leq 20kHz.	1	8.4 dB			

General Data Panel

Description	Meter	Value	Description	Meter	Value
Lmax	2	83.6 dB	Lpk	2	94.2 dB
Leq	2	81 dB	Leq	1	67.3 dB
Lmax	1	75.1 dB	Lpk	1	88.8 dB

Filter Summary Chart



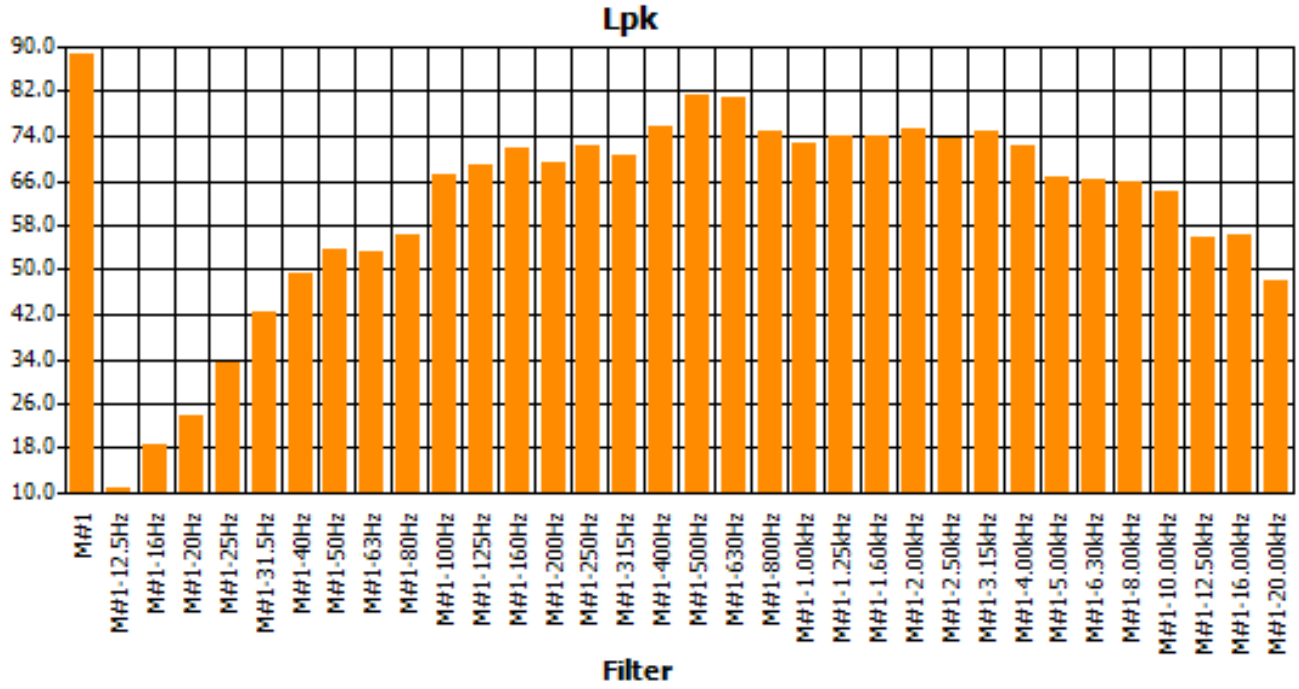
Filter Summary Table

MeterString	Summary Value
M#1	67.3

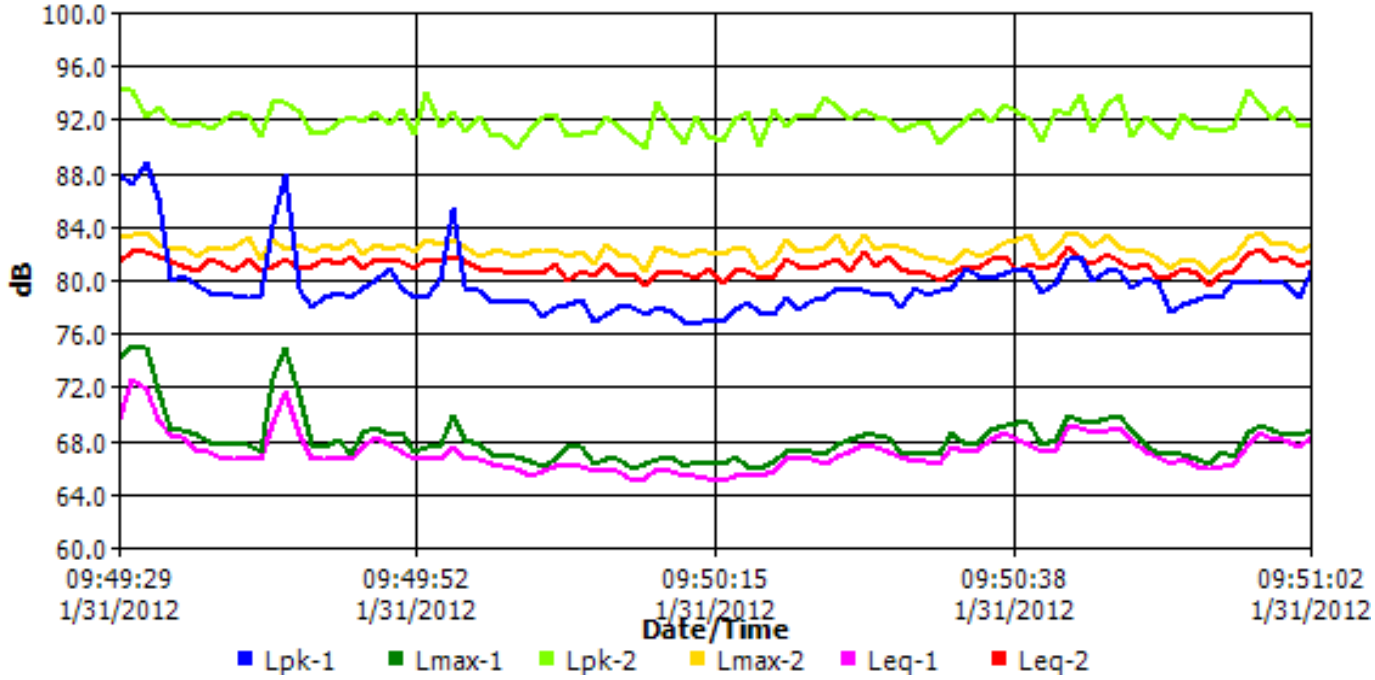
Filter Summary Table (cont'd)

MeterString	Summary Value
M#1-12.5Hz	-1.5
M#1-16Hz	7.6
M#1-20Hz	11.9
M#1-25Hz	20.3
M#1-31.5Hz	32.0
M#1-40Hz	38.0
M#1-50Hz	43.5
M#1-63Hz	41.8
M#1-80Hz	44.2
M#1-100Hz	55.2
M#1-125Hz	57.6
M#1-160Hz	59.2
M#1-200Hz	56.6
M#1-250Hz	51.6
M#1-315Hz	50.1
M#1-400Hz	53.6
M#1-500Hz	57.5
M#1-630Hz	55.0
M#1-800Hz	51.5
M#1-1.00kHz	55.0
M#1-1.25kHz	54.9
M#1-1.60kHz	54.8
M#1-2.00kHz	53.0
M#1-2.50kHz	51.6
M#1-3.15kHz	49.8
M#1-4.00kHz	49.5
M#1-5.00kHz	47.0
M#1-6.30kHz	43.1
M#1-8.00kHz	38.3
M#1-10.00kHz	32.5
M#1-12.50kHz	25.4
M#1-16.00kHz	15.5
M#1-20.00kHz	8.4

Filter Summary Chart



Logged Data Chart



Logged Data Table

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:49:29 AM	87.9	74.2	94.1	83.2	81.4	69.6
1/31/2012 9:49:30 AM	87.2	75.1	94.2	83.3	82.1	72.5
1/31/2012 9:49:31 AM	88.8	74.8	92.2	83.6	82.0	71.8
1/31/2012 9:49:32 AM	86.0	71.7	92.8	82.6	81.8	69.5
1/31/2012 9:49:33 AM	79.9	68.8	91.8	82.3	81.4	68.3
1/31/2012 9:49:34 AM	80.2	68.7	91.4	82.4	81.0	68.2
1/31/2012 9:49:35 AM	79.6	68.3	91.8	81.7	80.6	67.2
1/31/2012 9:49:36 AM	79.0	67.8	91.2	82.5	81.5	67.1
1/31/2012 9:49:37 AM	78.9	67.6	91.8	82.2	81.1	66.6
1/31/2012 9:49:38 AM	78.9	67.7	92.5	82.5	80.7	66.5
1/31/2012 9:49:39 AM	78.6	67.6	92.1	83.2	81.6	66.7
1/31/2012 9:49:40 AM	78.8	67.2	90.8	81.6	80.6	66.6
1/31/2012 9:49:41 AM	84.3	72.7	93.3	82.9	81.0	69.2
1/31/2012 9:49:42 AM	87.8	74.9	93.3	82.3	81.6	71.7
1/31/2012 9:49:43 AM	79.2	71.3	92.5	82.6	80.9	68.3
1/31/2012 9:49:44 AM	78.0	67.6	90.9	82.1	81.0	66.6
1/31/2012 9:49:45 AM	78.7	67.5	90.9	82.6	81.5	66.6
1/31/2012 9:49:46 AM	79.0	68.0	91.8	82.3	81.1	66.8
1/31/2012 9:49:47 AM	78.6	66.9	92.2	82.9	81.8	66.5
1/31/2012 9:49:48 AM	79.3	68.5	91.8	81.9	80.9	67.4
1/31/2012 9:49:49 AM	79.9	68.9	92.5	82.7	81.6	68.2
1/31/2012 9:49:50 AM	80.8	68.3	91.7	82.3	81.3	67.6
1/31/2012 9:49:51	79.3	68.5	92.7	82.7	81.3	67.1

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:49:52 AM	78.6	67.1	90.9	82.0	80.9	66.5
1/31/2012 9:49:53 AM	78.7	67.5	93.9	82.9	81.6	66.5
1/31/2012 9:49:54 AM	80.1	67.6	91.4	82.6	81.4	66.6
1/31/2012 9:49:55 AM	85.4	69.8	92.6	83.0	81.8	67.5
1/31/2012 9:49:56 AM	79.3	68.1	91.1	82.5	81.4	66.6
1/31/2012 9:49:57 AM	79.1	67.6	92.1	81.8	80.8	66.5
1/31/2012 9:49:58 AM	78.2	67.0	90.7	82.0	80.7	66.2
1/31/2012 9:49:59 AM	78.4	66.7	90.8	82.1	80.7	66.1
1/31/2012 9:50:00 AM	78.2	66.7	89.8	81.7	80.5	65.9
1/31/2012 9:50:01 AM	78.2	66.4	91.2	82.1	80.5	65.4
1/31/2012 9:50:02 AM	77.2	66.1	92.2	82.0	80.4	65.6
1/31/2012 9:50:03 AM	77.9	66.6	92.4	82.2	81.1	66.1
1/31/2012 9:50:04 AM	78.1	67.5	90.7	81.7	79.9	66.0
1/31/2012 9:50:05 AM	78.5	67.5	90.9	82.0	80.7	66.0
1/31/2012 9:50:06 AM	76.8	66.2	90.9	81.2	80.3	65.7
1/31/2012 9:50:07 AM	77.4	66.6	92.2	82.7	81.2	65.8
1/31/2012 9:50:08 AM	77.9	66.5	91.5	81.9	80.3	65.6
1/31/2012 9:50:09 AM	77.9	65.8	90.6	81.7	80.4	65.0
1/31/2012 9:50:10 AM	77.4	66.2	89.9	80.6	79.6	65.2
1/31/2012 9:50:11 AM	77.9	66.6	93.3	82.4	80.5	65.8
1/31/2012 9:50:12 AM	77.6	66.8	91.5	82.0	80.5	65.6
1/31/2012 9:50:13 AM	76.8	66.0	90.2	81.8	80.4	65.4
1/31/2012 9:50:14 AM	76.7	66.4	92.2	82.0	80.1	65.4
1/31/2012 9:50:15 AM	77.1	66.3	90.7	82.0	80.8	65.2
1/31/2012 9:50:16 AM	76.9	66.3	90.4	81.9	79.7	65.0
1/31/2012 9:50:17 AM	77.7	66.7	92.0	82.4	80.6	65.4
1/31/2012 9:50:18 AM	78.2	66.1	92.5	82.3	80.7	65.4
1/31/2012 9:50:19 AM	77.5	65.9	90.0	80.9	80.1	65.4
1/31/2012 9:50:20 AM	77.4	66.4	92.7	81.6	80.3	65.7
1/31/2012 9:50:21 AM	78.7	67.2	91.5	83.0	81.5	66.5
1/31/2012 9:50:22 AM	77.7	67.2	92.3	82.1	81.0	66.5
1/31/2012 9:50:23 AM	78.4	67.2	92.2	82.2	80.9	66.6
1/31/2012 9:50:24 AM	78.7	67.0	93.6	82.5	81.1	66.3
1/31/2012 9:50:25 AM	79.4	67.6	92.8	83.3	81.5	66.7
1/31/2012 9:50:26 AM	79.2	68.0	91.9	81.9	80.6	67.1
1/31/2012 9:50:27 AM	79.2	68.3	92.7	83.4	82.0	67.7
1/31/2012 9:50:28 AM	78.8	68.3	92.1	82.2	81.0	67.5
1/31/2012 9:50:29 AM	79.0	68.2	92.0	82.7	81.8	67.2
1/31/2012 9:50:30	78.0	67.2	91.1	82.5	80.8	66.7

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:50:31 AM	79.4	67.0	91.6	82.0	80.5	66.4
1/31/2012 9:50:32 AM	78.8	67.0	91.8	81.6	80.5	66.4
1/31/2012 9:50:33 AM	79.1	67.0	90.1	81.6	80.0	66.2
1/31/2012 9:50:34 AM	79.3	68.5	91.1	81.2	80.5	67.5
1/31/2012 9:50:35 AM	80.8	67.7	91.9	82.3	81.0	67.2
1/31/2012 9:50:36 AM	80.3	67.9	92.7	81.7	80.8	67.3
1/31/2012 9:50:37 AM	80.1	68.7	91.8	82.1	81.5	68.0
1/31/2012 9:50:38 AM	80.4	69.1	93.0	82.8	81.7	68.6
1/31/2012 9:50:39 AM	80.8	69.2	92.6	83.0	80.7	68.1
1/31/2012 9:50:40 AM	80.7	69.3	92.0	83.4	81.1	67.7
1/31/2012 9:50:41 AM	79.0	67.6	90.4	81.5	80.8	67.1
1/31/2012 9:50:42 AM	79.7	68.0	92.7	82.4	81.1	67.3
1/31/2012 9:50:43 AM	81.5	69.8	92.4	83.5	82.4	69.1
1/31/2012 9:50:44 AM	81.8	69.5	93.8	83.3	81.6	69.0
1/31/2012 9:50:45 AM	79.9	69.2	91.1	82.5	81.1	68.5
1/31/2012 9:50:46 AM	80.7	69.7	93.0	83.3	81.9	68.7
1/31/2012 9:50:47 AM	80.6	69.9	93.8	82.4	81.4	68.9
1/31/2012 9:50:48 AM	79.4	68.7	90.7	82.0	80.9	68.1
1/31/2012 9:50:49 AM	80.1	67.6	92.2	82.1	81.1	67.1
1/31/2012 9:50:50 AM	79.7	67.0	91.2	81.5	80.1	66.7
1/31/2012 9:50:51 AM	77.6	67.2	90.6	80.8	80.2	66.2
1/31/2012 9:50:52 AM	78.1	67.0	92.3	81.6	80.8	66.5
1/31/2012 9:50:53 AM	78.4	66.5	91.3	81.3	80.4	66.1
1/31/2012 9:50:54 AM	78.8	66.2	91.3	80.5	79.5	65.9
1/31/2012 9:50:55 AM	78.6	67.1	91.0	81.4	80.5	66.1
1/31/2012 9:50:56 AM	80.0	66.8	91.5	81.8	80.6	66.3
1/31/2012 9:50:57 AM	79.8	68.5	94.1	83.2	81.9	67.7
1/31/2012 9:50:58 AM	79.8	69.1	93.1	83.5	82.2	68.5
1/31/2012 9:50:59 AM	80.0	68.8	91.9	82.6	81.3	68.1
1/31/2012 9:51:00 AM	79.7	68.4	92.9	82.8	81.7	68.0
1/31/2012 9:51:01 AM	78.7	68.3	91.4	82.1	81.0	67.4
1/31/2012 9:51:02 AM	80.6	68.8	91.5	82.7	81.4	68.2

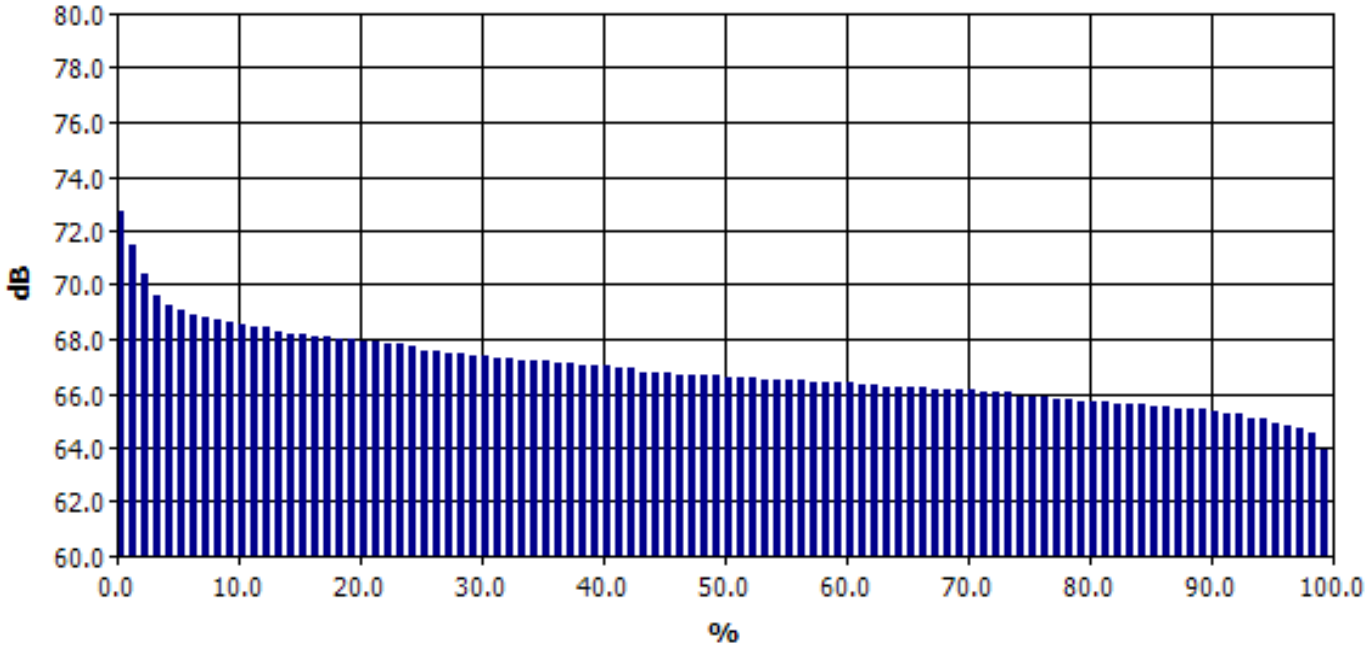
Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.0	0.0	0.0	0.1	0.1	0.4	0.2	0.5	0.3	0.6	0.7	3.1
65.0	0.9	0.9	1.5	1.6	1.7	2.5	2.3	2.9	2.8	2.6	19.8
66.0	2.5	3.1	3.9	4.4	2.0	3.7	3.8	3.7	3.2	3.1	33.3
67.0	2.6	2.5	2.5	2.4	2.2	2.1	2.1	1.6	1.8	1.9	21.6
68.0	1.8	2.0	1.9	1.7	1.7	1.7	1.1	1.1	0.9	0.8	14.9
69.0	0.7	0.6	0.6	0.5	0.3	0.2	0.3	0.2	0.2	0.1	3.9
70.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.8
71.0	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	1.1
72.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.7
73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.4

Statistics Table (cont'd)

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
74.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.4
75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		72.7	71.5	70.4	69.6	69.2	69.1	68.9	68.8	68.7
10%	68.6	68.5	68.4	68.4	68.3	68.2	68.2	68.1	68.1	68.0
20%	68.0	67.9	67.9	67.8	67.8	67.7	67.6	67.6	67.5	67.5
30%	67.4	67.4	67.3	67.3	67.2	67.2	67.2	67.1	67.1	67.0
40%	67.0	67.0	66.9	66.9	66.8	66.8	66.8	66.7	66.7	66.7
50%	66.7	66.6	66.6	66.6	66.5	66.5	66.5	66.5	66.4	66.4
60%	66.4	66.4	66.3	66.3	66.2	66.2	66.2	66.2	66.1	66.1
70%	66.1	66.1	66.0	66.0	66.0	65.9	65.9	65.9	65.8	65.8
80%	65.7	65.7	65.7	65.6	65.6	65.6	65.5	65.5	65.4	65.4
90%	65.4	65.3	65.2	65.2	65.1	65.1	64.9	64.8	64.7	64.5
100%	63.9									

Information Panel

Name	Trinity Fracing West of Sound Wall S013_BIK030007_31012012_120253
Start Time	Tuesday, January 31, 2012 09:46:34
Stop Time	Tuesday, January 31, 2012 09:48:10
Device Model Type	SoundPro DL
Comments	

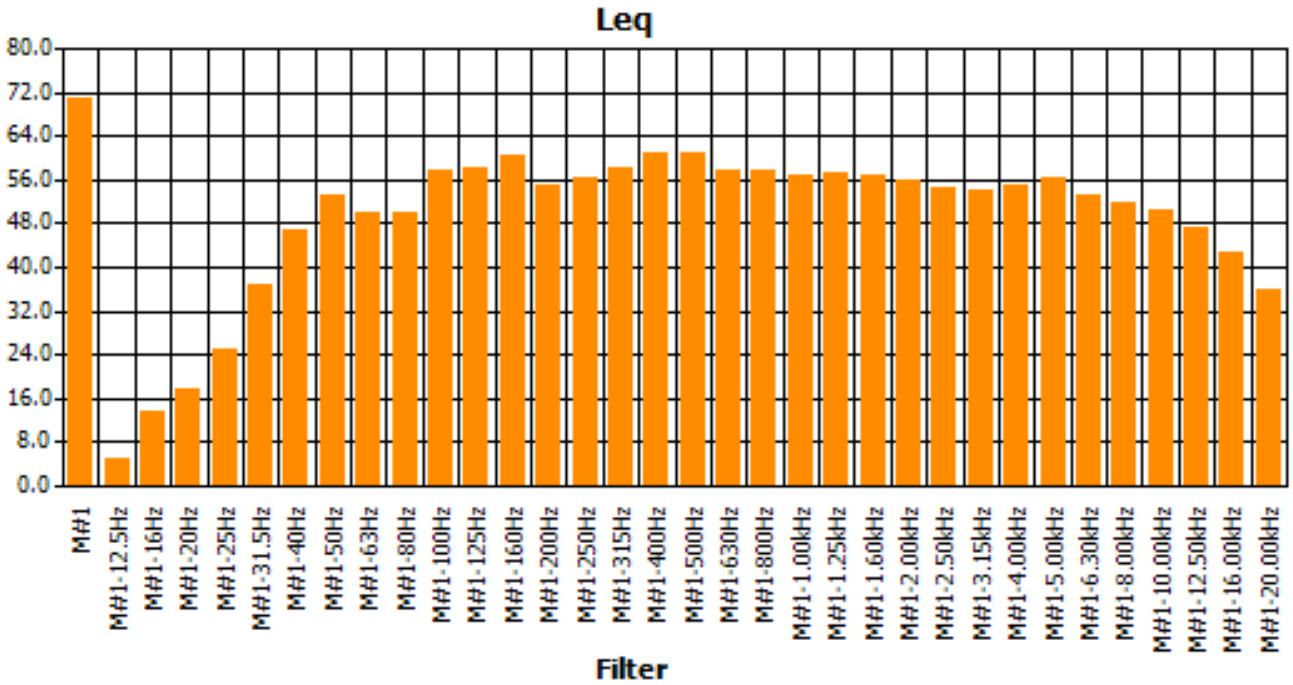
General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq 12.5Hz.	1	4.8 dB	Leq 16Hz.	1	13.6 dB
Leq 20Hz.	1	17.9 dB	Leq 25Hz.	1	24.9 dB
Leq 31.5Hz.	1	36.9 dB	Leq 40Hz.	1	46.9 dB
Leq 50Hz.	1	53.3 dB	Leq 63Hz.	1	49.9 dB
Leq 80Hz.	1	49.9 dB	Leq 100Hz.	1	57.8 dB
Leq 125Hz.	1	58.4 dB	Leq 160Hz.	1	60.5 dB
Leq 200Hz.	1	55 dB	Leq 250Hz.	1	56.3 dB
Leq 315Hz.	1	58.4 dB	Leq 400Hz.	1	61.1 dB
Leq 500Hz.	1	60.7 dB	Leq 630Hz.	1	57.7 dB
Leq 800Hz.	1	57.9 dB	Leq 1kHz.	1	56.7 dB
Leq 1.25kHz.	1	57.1 dB	Leq 1.6kHz.	1	57 dB
Leq 2kHz.	1	55.7 dB	Leq 2.5kHz.	1	54.4 dB
Leq 3.15kHz.	1	53.9 dB	Leq 4kHz.	1	54.8 dB
Leq 5kHz.	1	56.2 dB	Leq 6.3kHz.	1	53.3 dB
Leq 8kHz.	1	51.8 dB	Leq 10kHz.	1	50.4 dB
Leq 12.5kHz.	1	47.3 dB	Leq 16kHz.	1	42.9 dB
Leq 20kHz.	1	35.8 dB			

General Data Panel

Description	Meter	Value	Description	Meter	Value
Lmax	2	90.4 dB	Lpk	2	99.6 dB
Leq	2	86.9 dB	Leq	1	70.7 dB
Lmax	1	79.2 dB	Lpk	1	92.2 dB

Filter Summary Chart



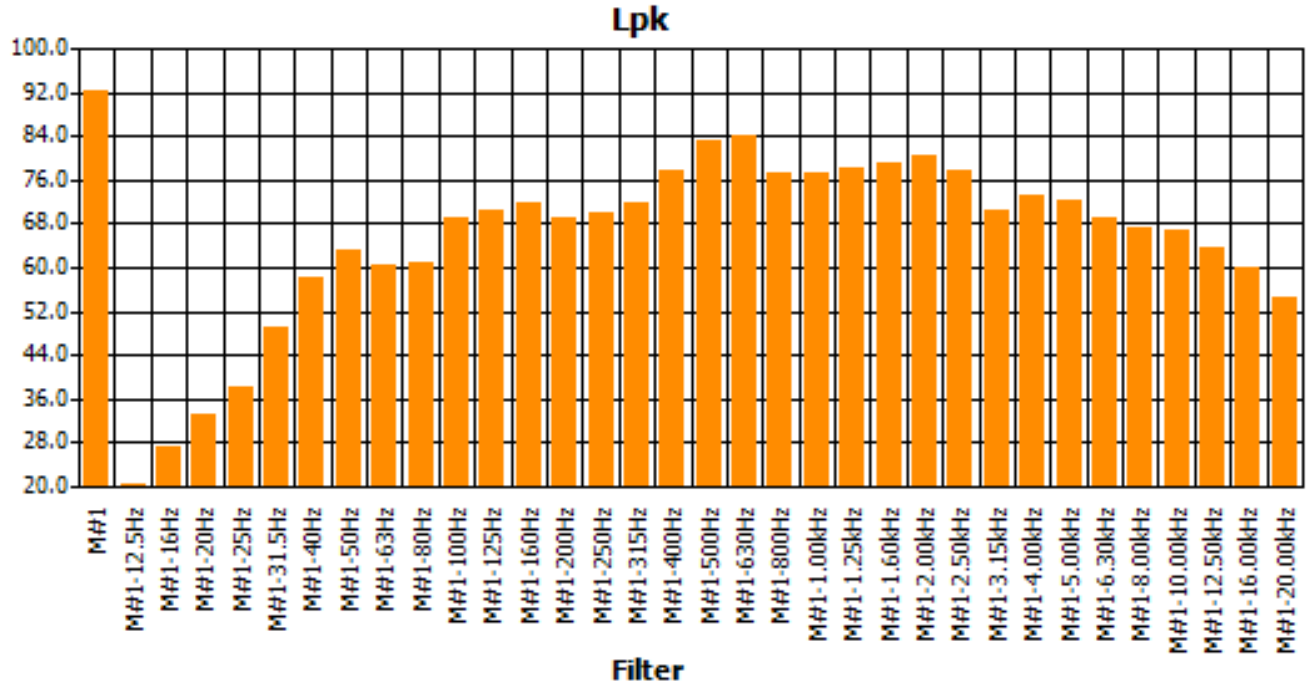
Filter Summary Table

MeterString	Summary Value
M#1	70.7

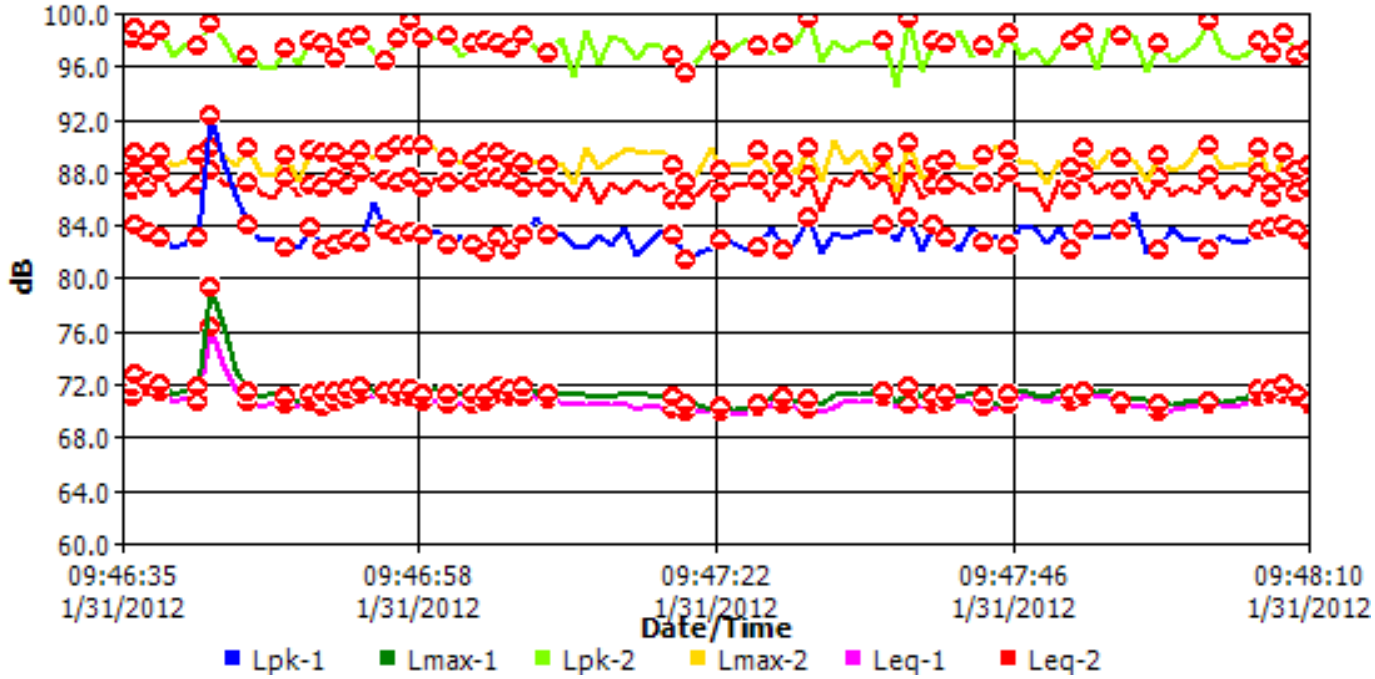
Filter Summary Table (cont'd)

MeterString	Summary Value
M#1-12.5Hz	4.8
M#1-16Hz	13.6
M#1-20Hz	17.9
M#1-25Hz	24.9
M#1-31.5Hz	36.9
M#1-40Hz	46.9
M#1-50Hz	53.3
M#1-63Hz	49.9
M#1-80Hz	49.9
M#1-100Hz	57.8
M#1-125Hz	58.4
M#1-160Hz	60.5
M#1-200Hz	55.0
M#1-250Hz	56.3
M#1-315Hz	58.4
M#1-400Hz	61.1
M#1-500Hz	60.7
M#1-630Hz	57.7
M#1-800Hz	57.9
M#1-1.00kHz	56.7
M#1-1.25kHz	57.1
M#1-1.60kHz	57.0
M#1-2.00kHz	55.7
M#1-2.50kHz	54.4
M#1-3.15kHz	53.9
M#1-4.00kHz	54.8
M#1-5.00kHz	56.2
M#1-6.30kHz	53.3
M#1-8.00kHz	51.8
M#1-10.00kHz	50.4
M#1-12.50kHz	47.3
M#1-16.00kHz	42.9
M#1-20.00kHz	35.8

Filter Summary Chart



Logged Data Chart



Logged Data Table

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:46:35 AM	84.7	72.5	98.7	89.8	87.4	71.8
1/31/2012 9:46:36 AM	83.9	72.7	98.7	89.4	88.0	71.9
1/31/2012 9:46:37 AM	83.4	72.1	97.8	88.7	86.7	71.7
1/31/2012 9:46:38 AM	83.0	72.0	98.6	89.4	87.9	71.4
1/31/2012 9:46:39 AM	82.3	71.2	96.8	88.4	86.2	70.6
1/31/2012 9:46:40 AM	82.7	71.6	97.6	88.9	86.9	70.9
1/31/2012 9:46:41 AM	83.0	71.8	97.4	89.2	86.9	70.6
1/31/2012 9:46:42 AM	92.2	79.2	99.2	89.8	88.1	76.3
1/31/2012 9:46:43 AM	88.9	76.4	98.1	89.2	87.2	73.4
1/31/2012 9:46:44 AM	86.2	73.1	96.4	88.5	86.7	71.6
1/31/2012 9:46:45 AM	83.9	71.4	96.8	89.7	87.2	70.7
1/31/2012 9:46:46 AM	82.9	71.0	95.9	87.9	86.4	70.3
1/31/2012 9:46:47 AM	83.0	71.3	95.7	87.7	86.1	70.6
1/31/2012 9:46:48 AM	82.2	71.0	97.2	89.2	87.6	70.5
1/31/2012 9:46:49 AM	82.2	70.7	96.1	87.4	86.2	70.2
1/31/2012 9:46:50 AM	83.8	71.2	97.8	89.6	86.9	70.6
1/31/2012 9:46:51 AM	82.1	71.4	97.7	89.3	86.7	70.3
1/31/2012 9:46:52 AM	82.4	71.4	96.6	89.3	87.5	70.6
1/31/2012 9:46:53 AM	82.9	71.6	98.1	88.8	87.0	70.8
1/31/2012 9:46:54 AM	82.7	71.7	98.3	89.6	87.9	71.1
1/31/2012 9:46:55 AM	85.7	71.6	97.1	89.1	87.3	71.0
1/31/2012 9:46:56 AM	83.5	71.4	96.4	89.3	87.3	71.1
1/31/2012 9:46:57	83.1	71.5	98.0	89.9	87.2	71.0

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:46:58 AM	83.4	71.5	99.3	90.0	87.6	70.9
1/31/2012 9:46:59 AM	83.1	71.2	98.1	90.0	86.8	70.6
1/31/2012 9:47:00 AM	83.5	71.8	98.1	89.8	87.5	70.8
1/31/2012 9:47:01 AM	82.4	71.1	98.3	89.1	87.1	70.5
1/31/2012 9:47:02 AM	83.1	71.1	96.8	88.6	87.3	70.6
1/31/2012 9:47:03 AM	82.5	71.2	97.6	88.9	87.1	70.4
1/31/2012 9:47:04 AM	81.8	71.2	97.9	89.4	87.5	70.6
1/31/2012 9:47:05 AM	83.0	71.7	97.7	89.3	87.5	71.1
1/31/2012 9:47:06 AM	82.1	71.5	97.2	88.9	87.3	71.0
1/31/2012 9:47:07 AM	83.1	71.7	98.3	88.6	86.8	71.0
1/31/2012 9:47:08 AM	84.6	71.4	97.2	88.8	87.1	70.9
1/31/2012 9:47:09 AM	83.1	71.2	96.9	88.5	86.7	70.8
1/31/2012 9:47:10 AM	83.4	71.1	98.1	88.7	87.2	70.7
1/31/2012 9:47:11 AM	82.5	71.1	95.3	87.2	85.8	70.5
1/31/2012 9:47:12 AM	82.3	71.1	98.5	89.8	87.5	70.5
1/31/2012 9:47:13 AM	83.2	71.0	96.2	88.3	85.7	70.6
1/31/2012 9:47:14 AM	82.4	71.0	98.2	89.1	87.2	70.4
1/31/2012 9:47:15 AM	83.8	71.3	97.8	89.5	86.3	70.7
1/31/2012 9:47:16 AM	81.7	71.2	96.6	89.5	87.3	70.1
1/31/2012 9:47:17 AM	82.6	71.1	97.7	89.4	86.6	70.4
1/31/2012 9:47:18 AM	83.5	71.0	97.4	89.6	87.1	70.3
1/31/2012 9:47:19 AM	83.1	70.9	96.8	88.4	85.9	70.1
1/31/2012 9:47:20 AM	81.3	70.4	95.4	87.2	85.8	69.8
1/31/2012 9:47:21 AM	81.8	70.5	96.5	88.1	86.4	69.9
1/31/2012 9:47:22 AM	82.3	70.1	97.8	89.7	87.3	69.9
1/31/2012 9:47:23 AM	82.8	70.2	97.0	88.0	86.3	69.8
1/31/2012 9:47:24 AM	82.6	70.1	97.2	88.6	87.0	69.6
1/31/2012 9:47:25 AM	82.1	70.2	98.1	88.5	86.9	69.6
1/31/2012 9:47:26 AM	82.2	70.5	97.4	89.5	87.3	70.2
1/31/2012 9:47:27 AM	83.7	70.9	96.9	88.1	85.8	70.4
1/31/2012 9:47:28 AM	82.1	71.0	97.6	88.8	87.4	70.4
1/31/2012 9:47:29 AM	82.9	70.7	97.8	87.9	86.2	70.2
1/31/2012 9:47:30 AM	84.6	70.8	99.6	89.7	87.7	70.1
1/31/2012 9:47:31 AM	81.8	70.4	96.3	87.4	85.1	69.8
1/31/2012 9:47:32 AM	83.3	71.1	97.9	90.4	87.5	70.3
1/31/2012 9:47:33 AM	83.0	71.3	97.1	88.7	87.0	70.8
1/31/2012 9:47:34 AM	83.3	71.2	97.6	89.6	88.1	70.7
1/31/2012 9:47:35 AM	83.3	71.3	97.6	88.1	86.7	70.8
1/31/2012 9:47:36	83.9	71.3	97.8	89.3	87.8	70.9

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:47:37 AM	82.8	70.7	94.4	86.6	85.7	70.2
1/31/2012 9:47:38 AM	84.6	71.7	99.6	90.2	88.1	70.4
1/31/2012 9:47:39 AM	82.1	70.9	95.5	87.6	86.1	70.2
1/31/2012 9:47:40 AM	84.0	71.0	97.8	88.4	87.0	70.5
1/31/2012 9:47:41 AM	83.0	71.1	97.7	88.8	87.0	70.7
1/31/2012 9:47:42 AM	82.1	70.9	98.6	88.4	87.2	70.6
1/31/2012 9:47:43 AM	83.8	71.3	96.8	88.2	86.3	70.6
1/31/2012 9:47:44 AM	82.7	70.9	97.4	89.2	87.1	70.3
1/31/2012 9:47:45 AM	83.2	70.5	96.8	89.9	86.5	70.1
1/31/2012 9:47:46 AM	82.4	71.1	98.4	89.5	87.9	70.4
1/31/2012 9:47:47 AM	83.9	71.5	96.6	88.6	86.6	71.0
1/31/2012 9:47:48 AM	83.7	71.2	97.2	88.6	86.8	70.9
1/31/2012 9:47:49 AM	82.6	71.0	96.2	87.2	85.1	70.7
1/31/2012 9:47:50 AM	83.7	71.6	97.3	88.9	87.3	71.0
1/31/2012 9:47:51 AM	82.0	71.2	97.9	88.2	86.5	70.7
1/31/2012 9:47:52 AM	83.5	71.4	98.4	89.8	87.9	70.9
1/31/2012 9:47:53 AM	83.0	71.4	95.8	88.2	86.4	70.9
1/31/2012 9:47:54 AM	83.1	71.6	98.7	89.5	87.1	71.0
1/31/2012 9:47:55 AM	83.5	70.7	98.3	89.0	86.6	70.4
1/31/2012 9:47:56 AM	84.8	70.9	98.2	88.8	87.5	70.3
1/31/2012 9:47:57 AM	81.9	70.8	95.6	87.3	86.0	70.2
1/31/2012 9:47:58 AM	82.1	70.4	97.7	89.2	87.5	69.9
1/31/2012 9:47:59 AM	83.8	70.5	96.4	88.0	86.2	70.0
1/31/2012 9:48:00 AM	82.9	70.6	96.9	88.5	87.0	70.3
1/31/2012 9:48:01 AM	83.0	70.7	97.7	89.5	86.3	70.4
1/31/2012 9:48:02 AM	82.1	70.7	99.4	90.0	87.7	70.4
1/31/2012 9:48:03 AM	83.2	70.7	97.1	88.3	86.1	70.4
1/31/2012 9:48:04 AM	82.7	70.8	96.6	88.4	86.9	70.3
1/31/2012 9:48:05 AM	82.9	71.0	96.9	88.4	86.2	70.6
1/31/2012 9:48:06 AM	83.5	71.5	97.9	89.8	87.8	71.0
1/31/2012 9:48:07 AM	83.7	71.5	96.9	87.1	86.0	71.1
1/31/2012 9:48:08 AM	83.9	71.9	98.4	89.3	87.6	71.1
1/31/2012 9:48:09 AM	83.5	71.2	96.8	88.0	86.3	70.9
1/31/2012 9:48:10 AM	82.8	70.7	97.0	88.4	86.7	70.4

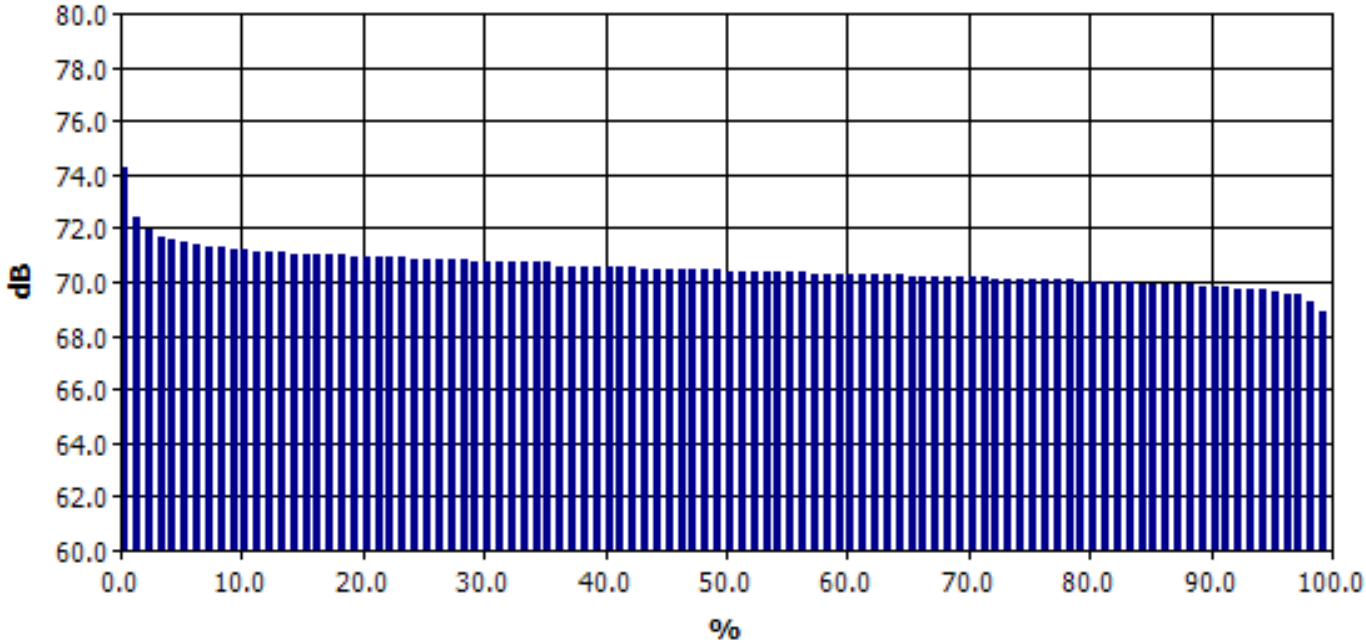
Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Statistics Table (cont'd)

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
69.0	0.0	0.1	0.3	0.6	0.5	0.4	1.2	1.7	2.4	3.6	10.8
70.0	4.6	5.5	6.4	7.5	7.5	7.5	6.9	6.6	6.8	5.7	64.9
71.0	4.8	4.5	3.3	2.4	1.9	1.1	0.9	0.8	0.8	0.5	21.1
72.0	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.1	1.8
73.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
74.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3
76.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
79.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		74.3	72.4	71.9	71.7	71.6	71.5	71.4	71.3	71.3
10%	71.2	71.2	71.1	71.1	71.1	71.0	71.0	71.0	71.0	71.0
20%	70.9	70.9	70.9	70.9	70.9	70.8	70.8	70.8	70.8	70.8
30%	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.6	70.6	70.6
40%	70.6	70.6	70.6	70.6	70.5	70.5	70.5	70.5	70.5	70.5
50%	70.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.3	70.3
60%	70.3	70.3	70.3	70.3	70.3	70.3	70.2	70.2	70.2	70.2
70%	70.2	70.2	70.2	70.1	70.1	70.1	70.1	70.1	70.1	70.1
80%	70.0	70.0	70.0	70.0	70.0	69.9	69.9	69.9	69.9	69.9
90%	69.8	69.8	69.8	69.7	69.7	69.7	69.6	69.5	69.5	69.3
100%	68.9									

Information Panel

Name	Trinity Fracing South End of Pad S010_BIK030007_31012012_120515
Start Time	Tuesday, January 31, 2012 09:33:19
Stop Time	Tuesday, January 31, 2012 09:34:29
Device Model Type	SoundPro DL
Comments	

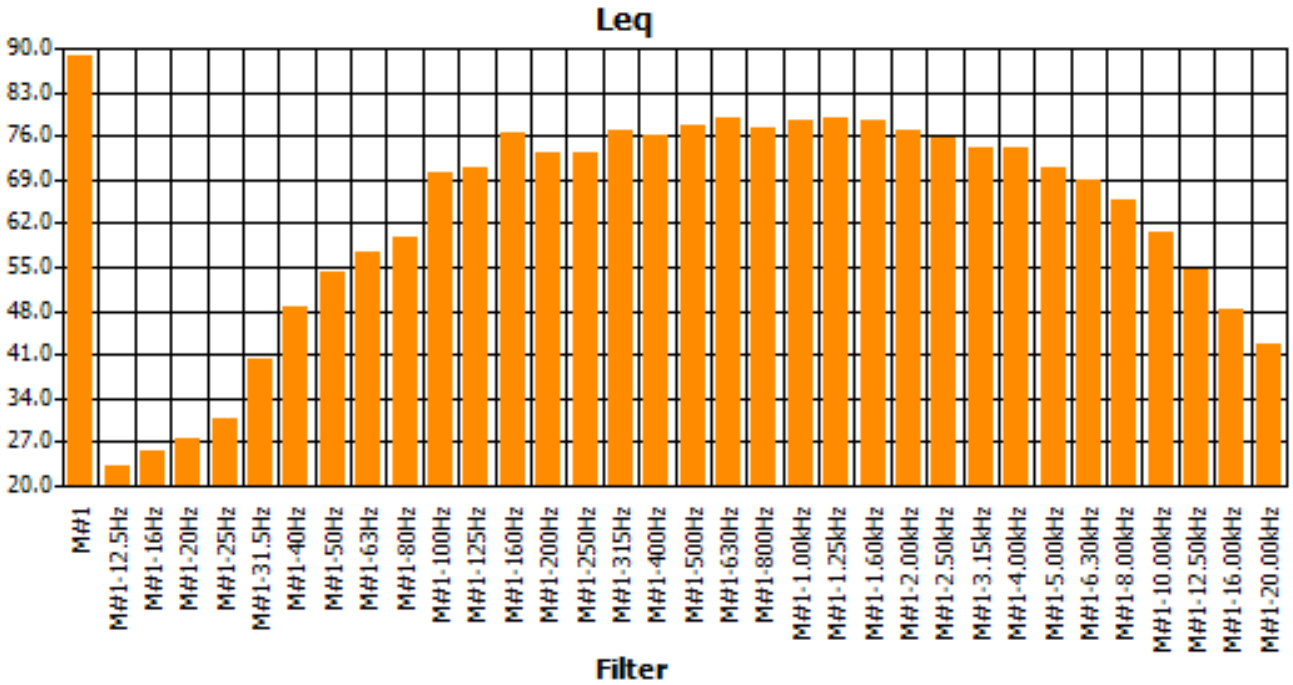
General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq 12.5Hz.	1	23.1 dB	Leq 16Hz.	1	25.4 dB
Leq 20Hz.	1	27.5 dB	Leq 25Hz.	1	30.8 dB
Leq 31.5Hz.	1	40.2 dB	Leq 40Hz.	1	48.5 dB
Leq 50Hz.	1	54.3 dB	Leq 63Hz.	1	57.4 dB
Leq 80Hz.	1	59.7 dB	Leq 100Hz.	1	70 dB
Leq 125Hz.	1	70.8 dB	Leq 160Hz.	1	76.4 dB
Leq 200Hz.	1	73.1 dB	Leq 250Hz.	1	73.1 dB
Leq 315Hz.	1	76.9 dB	Leq 400Hz.	1	76.1 dB
Leq 500Hz.	1	77.7 dB	Leq 630Hz.	1	78.9 dB
Leq 800Hz.	1	77.4 dB	Leq 1kHz.	1	78.4 dB
Leq 1.25kHz.	1	78.7 dB	Leq 1.6kHz.	1	78.4 dB
Leq 2kHz.	1	76.9 dB	Leq 2.5kHz.	1	75.6 dB
Leq 3.15kHz.	1	73.9 dB	Leq 4kHz.	1	73.9 dB
Leq 5kHz.	1	71 dB	Leq 6.3kHz.	1	68.9 dB
Leq 8kHz.	1	65.7 dB	Leq 10kHz.	1	60.5 dB
Leq 12.5kHz.	1	54.6 dB	Leq 16kHz.	1	48.4 dB
Leq 20kHz.	1	42.5 dB			

General Data Panel

Description	Meter	Value	Description	Meter	Value
Lmax	2	97 dB	Lpk	2	99.6 dB
Leq	2	95.9 dB	Leq	1	88.9 dB
Lmax	1	91 dB	Lpk	1	99.6 dB

Filter Summary Chart



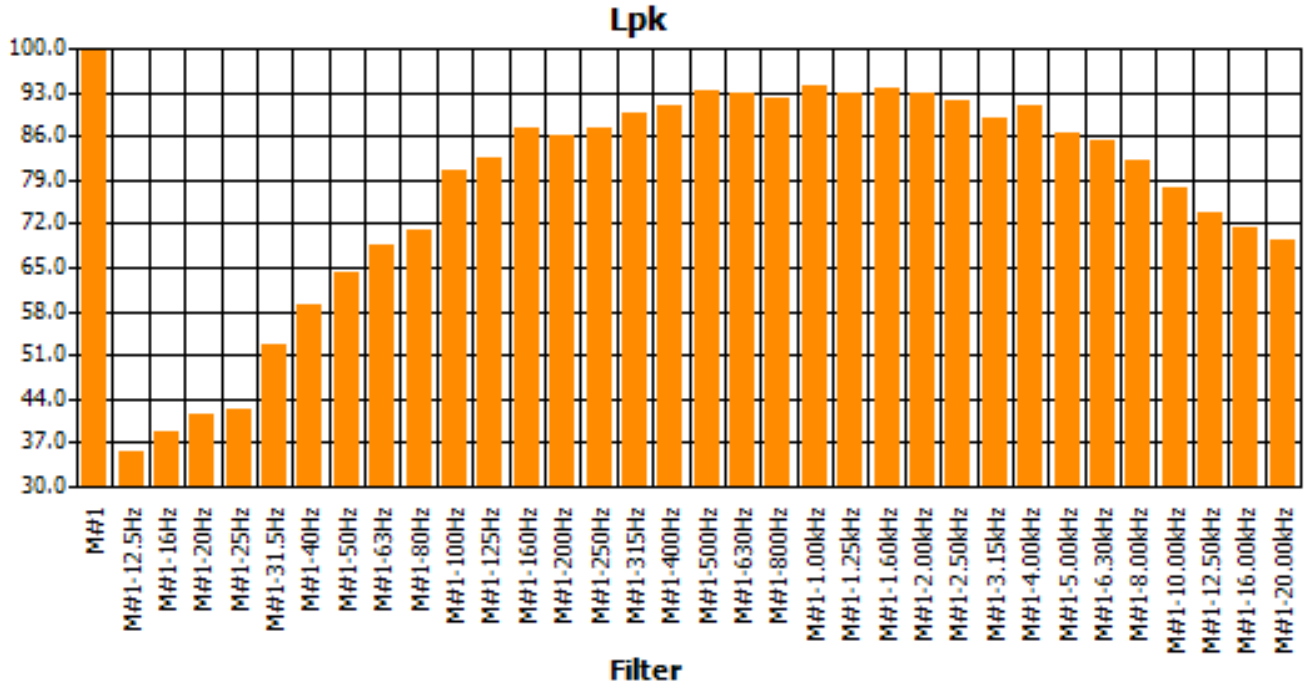
Filter Summary Table

MeterString	Summary Value
M#1	88.9

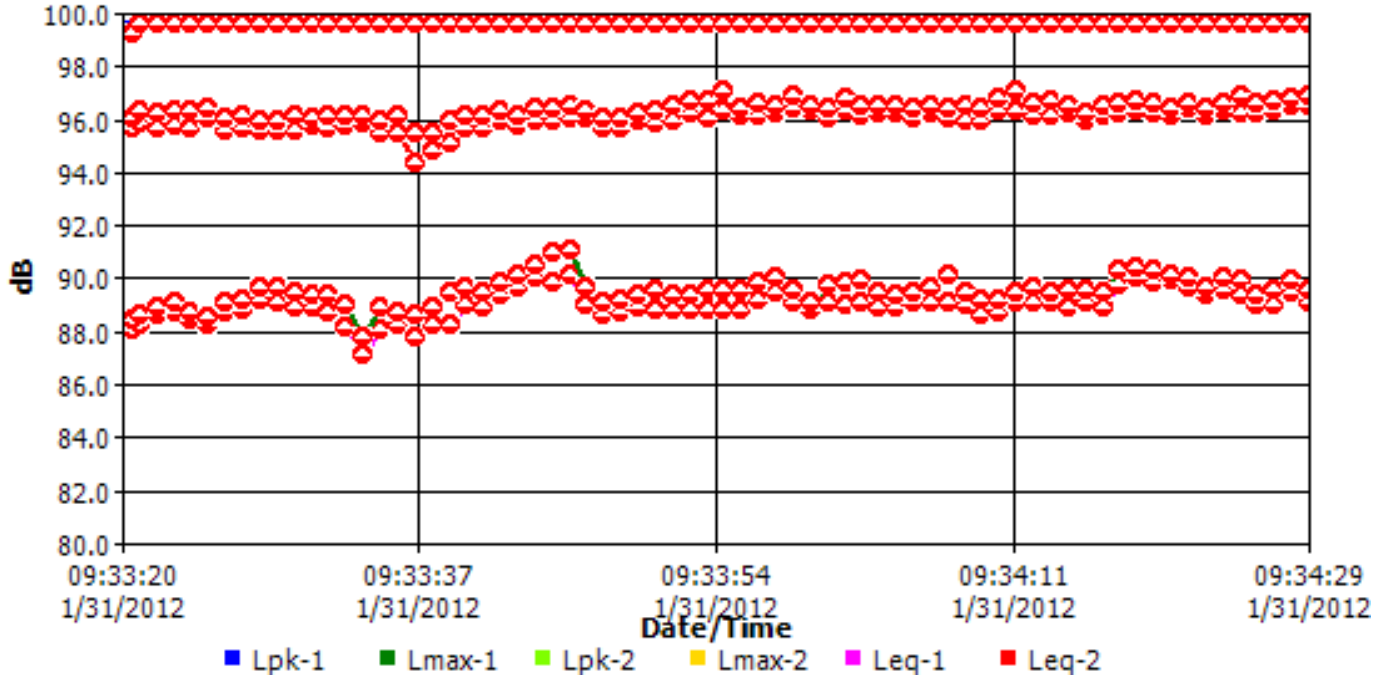
Filter Summary Table (cont'd)

MeterString	Summary Value
M#1-12.5Hz	23.1
M#1-16Hz	25.4
M#1-20Hz	27.5
M#1-25Hz	30.8
M#1-31.5Hz	40.2
M#1-40Hz	48.5
M#1-50Hz	54.3
M#1-63Hz	57.4
M#1-80Hz	59.7
M#1-100Hz	70.0
M#1-125Hz	70.8
M#1-160Hz	76.4
M#1-200Hz	73.1
M#1-250Hz	73.1
M#1-315Hz	76.9
M#1-400Hz	76.1
M#1-500Hz	77.7
M#1-630Hz	78.9
M#1-800Hz	77.4
M#1-1.00kHz	78.4
M#1-1.25kHz	78.7
M#1-1.60kHz	78.4
M#1-2.00kHz	76.9
M#1-2.50kHz	75.6
M#1-3.15kHz	73.9
M#1-4.00kHz	73.9
M#1-5.00kHz	71.0
M#1-6.30kHz	68.9
M#1-8.00kHz	65.7
M#1-10.00kHz	60.5
M#1-12.50kHz	54.6
M#1-16.00kHz	48.4
M#1-20.00kHz	42.5

Filter Summary Chart



Logged Data Chart



Logged Data Table

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:33:20 AM	99.6	88.8	99.6	96.4	96.0	88.4
1/31/2012 9:33:21 AM	99.6	88.6	99.6	96.3	95.8	88.2
1/31/2012 9:33:22 AM	99.6	88.9	99.6	96.2	95.6	88.6
1/31/2012 9:33:23 AM	99.6	89.1	99.6	96.3	95.7	88.7
1/31/2012 9:33:24 AM	99.6	88.7	99.6	96.3	95.6	88.4
1/31/2012 9:33:25 AM	99.6	88.5	99.6	96.4	96.0	88.2
1/31/2012 9:33:26 AM	99.6	89.1	99.6	96.0	95.5	88.7
1/31/2012 9:33:27 AM	99.6	89.2	99.6	96.1	95.6	88.8
1/31/2012 9:33:28 AM	99.6	89.6	99.6	95.9	95.5	89.2
1/31/2012 9:33:29 AM	99.6	89.6	99.6	95.9	95.5	89.1
1/31/2012 9:33:30 AM	99.6	89.4	99.6	96.1	95.5	88.9
1/31/2012 9:33:31 AM	99.6	89.3	99.6	96.0	95.7	88.9
1/31/2012 9:33:32 AM	99.6	89.3	99.6	96.1	95.6	88.7
1/31/2012 9:33:33 AM	99.6	89.0	99.6	96.1	95.7	88.1
1/31/2012 9:33:34 AM	99.6	87.7	99.6	96.1	95.8	87.1
1/31/2012 9:33:35 AM	99.6	88.9	99.6	95.9	95.4	88.0
1/31/2012 9:33:36 AM	99.6	88.7	99.6	96.1	95.4	88.2
1/31/2012 9:33:37 AM	99.6	88.6	99.6	95.4	94.3	87.7
1/31/2012 9:33:38 AM	99.6	88.9	99.6	95.4	94.8	88.2
1/31/2012 9:33:39 AM	99.6	89.4	99.6	95.9	95.1	88.2
1/31/2012 9:33:40 AM	99.6	89.6	99.6	96.1	95.6	89.0
1/31/2012 9:33:41 AM	99.6	89.4	99.6	96.1	95.6	88.9
1/31/2012 9:33:42	99.6	89.8	99.6	96.3	95.9	89.3

Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:33:43 AM	99.6	90.1	99.6	96.1	95.7	89.6
1/31/2012 9:33:44 AM	99.6	90.5	99.6	96.4	95.9	90.0
1/31/2012 9:33:45 AM	99.6	90.9	99.6	96.4	95.9	89.8
1/31/2012 9:33:46 AM	99.6	91.0	99.6	96.5	96.0	90.1
1/31/2012 9:33:47 AM	99.6	89.6	99.6	96.3	96.0	89.0
1/31/2012 9:33:48 AM	99.6	89.1	99.6	96.0	95.6	88.6
1/31/2012 9:33:49 AM	99.6	89.2	99.6	96.0	95.6	88.7
1/31/2012 9:33:50 AM	99.6	89.3	99.6	96.2	95.9	88.9
1/31/2012 9:33:51 AM	99.6	89.5	99.6	96.3	95.8	88.8
1/31/2012 9:33:52 AM	99.6	89.3	99.6	96.5	95.9	88.8
1/31/2012 9:33:53 AM	99.6	89.3	99.6	96.7	96.2	88.8
1/31/2012 9:33:54 AM	99.6	89.5	99.6	96.7	96.0	88.8
1/31/2012 9:33:55 AM	99.6	89.5	99.6	97.0	96.3	88.8
1/31/2012 9:33:56 AM	99.6	89.5	99.6	96.4	96.1	88.8
1/31/2012 9:33:57 AM	99.6	89.8	99.6	96.6	96.1	89.2
1/31/2012 9:33:58 AM	99.6	90.0	99.6	96.5	96.2	89.4
1/31/2012 9:33:59 AM	99.6	89.5	99.6	96.9	96.4	89.1
1/31/2012 9:34:00 AM	99.6	89.1	99.6	96.5	96.3	88.8
1/31/2012 9:34:01 AM	99.6	89.7	99.6	96.4	96.0	89.1
1/31/2012 9:34:02 AM	99.6	89.8	99.6	96.8	96.3	89.0
1/31/2012 9:34:03 AM	99.6	89.9	99.6	96.5	96.1	89.1
1/31/2012 9:34:04 AM	99.6	89.4	99.6	96.5	96.2	88.9
1/31/2012 9:34:05 AM	99.6	89.3	99.6	96.5	96.2	88.9
1/31/2012 9:34:06 AM	99.6	89.4	99.6	96.4	96.0	89.1
1/31/2012 9:34:07 AM	99.6	89.6	99.6	96.5	96.2	89.1
1/31/2012 9:34:08 AM	99.6	90.1	99.6	96.4	96.0	89.1
1/31/2012 9:34:09 AM	99.6	89.4	99.6	96.5	95.9	89.0
1/31/2012 9:34:10 AM	99.6	89.2	99.6	96.4	95.9	88.6
1/31/2012 9:34:11 AM	99.6	89.2	99.6	96.8	96.3	88.7
1/31/2012 9:34:12 AM	99.6	89.4	99.6	97.0	96.3	89.1
1/31/2012 9:34:13 AM	99.6	89.6	99.6	96.6	96.1	89.1
1/31/2012 9:34:14 AM	99.6	89.4	99.6	96.7	96.1	89.1
1/31/2012 9:34:15 AM	99.6	89.5	99.6	96.5	96.2	88.9
1/31/2012 9:34:16 AM	99.6	89.5	99.6	96.2	95.9	89.1
1/31/2012 9:34:17 AM	99.6	89.4	99.6	96.5	96.1	88.9
1/31/2012 9:34:18 AM	99.6	90.3	99.6	96.6	96.2	89.7
1/31/2012 9:34:19 AM	99.6	90.4	99.6	96.7	96.3	90.0
1/31/2012 9:34:20 AM	99.6	90.3	99.6	96.6	96.2	89.8
1/31/2012 9:34:21	99.6	90.1	99.6	96.4	96.1	89.9

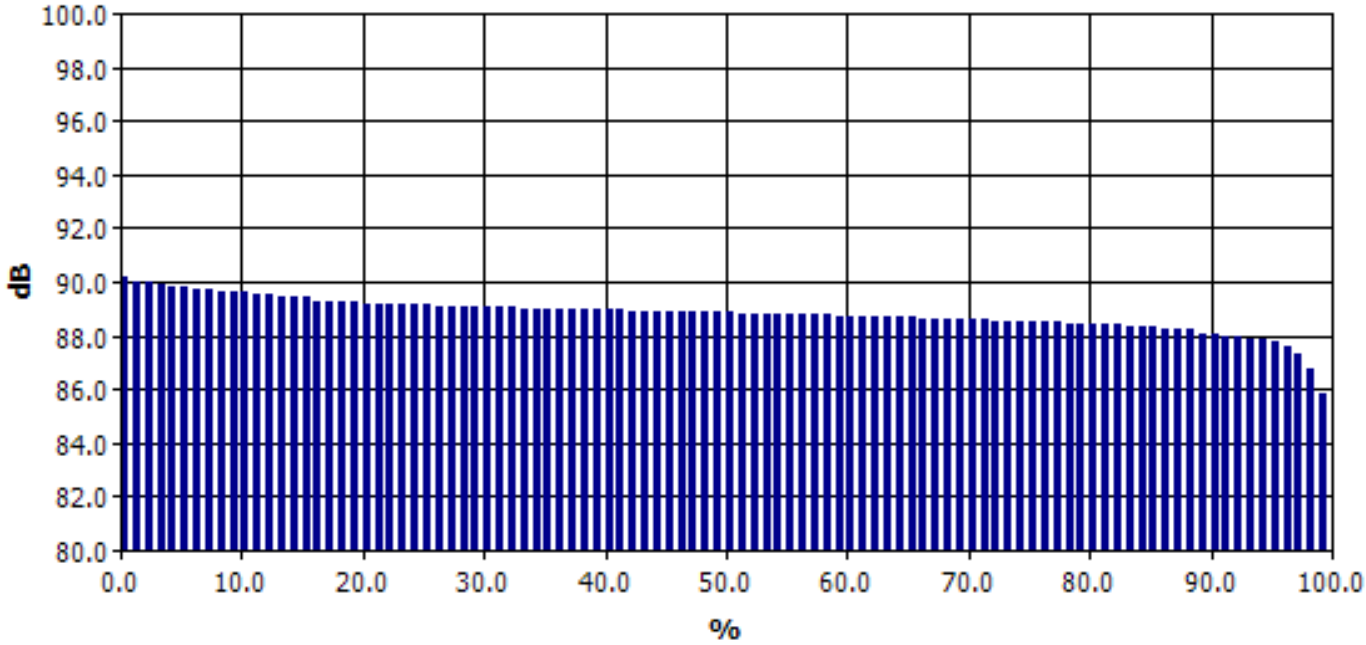
Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:34:22 AM	99.6	90.0	99.6	96.6	96.4	89.6
1/31/2012 9:34:23 AM	99.6	89.6	99.6	96.4	96.1	89.3
1/31/2012 9:34:24 AM	99.6	90.0	99.6	96.6	96.3	89.5
1/31/2012 9:34:25 AM	99.6	89.9	99.6	96.9	96.2	89.3
1/31/2012 9:34:26 AM	99.6	89.3	99.6	96.6	96.2	89.0
1/31/2012 9:34:27 AM	99.6	89.5	99.6	96.7	96.3	89.0
1/31/2012 9:34:28 AM	99.6	89.9	99.6	96.8	96.5	89.4
1/31/2012 9:34:29 AM	99.6	89.5	99.6	96.9	96.5	89.1

Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.2	1.0
87.0	0.3	0.1	0.2	0.3	0.4	0.2	0.4	0.4	0.7	0.9	3.8
88.0	1.5	2.1	2.2	2.9	3.3	4.4	5.6	6.2	7.7	7.7	43.8
89.0	8.9	8.7	7.6	5.7	4.1	3.1	2.1	2.6	2.2	1.5	46.5
90.0	1.6	1.4	0.8	0.4	0.2	0.0	0.1	0.1	0.1	0.1	4.9
91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		90.2	90.0	90.0	89.9	89.8	89.8	89.7	89.7	89.6
10%	89.6	89.6	89.5	89.5	89.4	89.4	89.4	89.3	89.3	89.3
20%	89.3	89.2	89.2	89.2	89.2	89.2	89.2	89.1	89.1	89.1
30%	89.1	89.1	89.1	89.1	89.0	89.0	89.0	89.0	89.0	89.0
40%	89.0	89.0	89.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9
50%	88.9	88.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
60%	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.6	88.6	88.6
70%	88.6	88.6	88.6	88.5	88.5	88.5	88.5	88.5	88.5	88.4
80%	88.4	88.4	88.4	88.4	88.3	88.3	88.3	88.2	88.2	88.2
90%	88.1	88.1	88.0	88.0	87.9	87.9	87.8	87.6	87.3	86.8
100%	85.8									

Information Panel

Name	Trinity Fracing North End of Pad S012_BIK030007_31012012_120253
Start Time	Tuesday, January 31, 2012 09:38:21
Stop Time	Tuesday, January 31, 2012 09:38:54
Device Model Type	SoundPro DL
Comments	

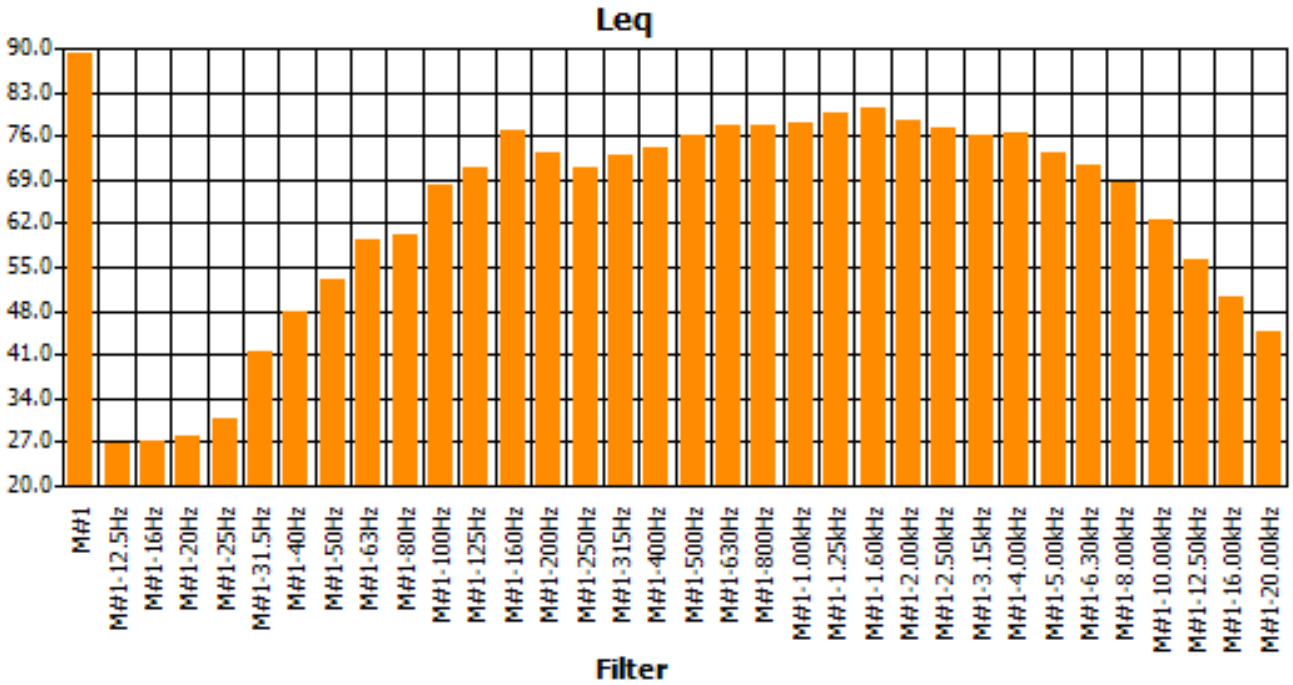
General Data Panel

Description	Meter	Value	Description	Meter	Value
Leq 12.5Hz.	1	26.7 dB	Leq 16Hz.	1	27.3 dB
Leq 20Hz.	1	27.9 dB	Leq 25Hz.	1	30.8 dB
Leq 31.5Hz.	1	41.4 dB	Leq 40Hz.	1	48 dB
Leq 50Hz.	1	53.2 dB	Leq 63Hz.	1	59.5 dB
Leq 80Hz.	1	60.3 dB	Leq 100Hz.	1	68 dB
Leq 125Hz.	1	70.9 dB	Leq 160Hz.	1	76.8 dB
Leq 200Hz.	1	73.3 dB	Leq 250Hz.	1	71 dB
Leq 315Hz.	1	72.7 dB	Leq 400Hz.	1	74 dB
Leq 500Hz.	1	76.2 dB	Leq 630Hz.	1	77.6 dB
Leq 800Hz.	1	77.8 dB	Leq 1kHz.	1	78.2 dB
Leq 1.25kHz.	1	79.7 dB	Leq 1.6kHz.	1	80.3 dB
Leq 2kHz.	1	78.6 dB	Leq 2.5kHz.	1	77.1 dB
Leq 3.15kHz.	1	76.1 dB	Leq 4kHz.	1	76.5 dB
Leq 5kHz.	1	73.3 dB	Leq 6.3kHz.	1	71.5 dB
Leq 8kHz.	1	68.4 dB	Leq 10kHz.	1	62.6 dB
Leq 12.5kHz.	1	56.3 dB	Leq 16kHz.	1	50.4 dB
Leq 20kHz.	1	44.7 dB			

General Data Panel

Description	Meter	Value	Description	Meter	Value
Lmax	2	96.8 dB	Lpk	2	99.6 dB
Leq	2	95.6 dB	Leq	1	89.2 dB
Lmax	1	92.3 dB	Lpk	1	99.6 dB

Filter Summary Chart



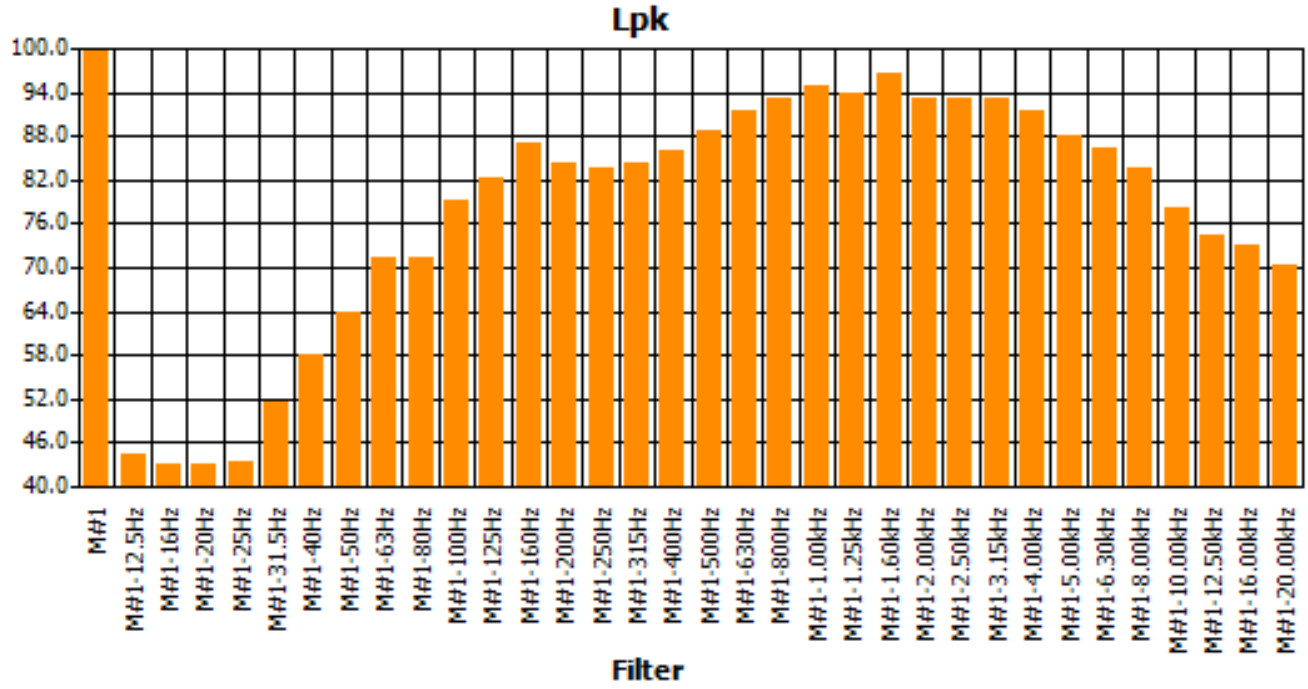
Filter Summary Table

MeterString	Summary Value
M#1	89.2

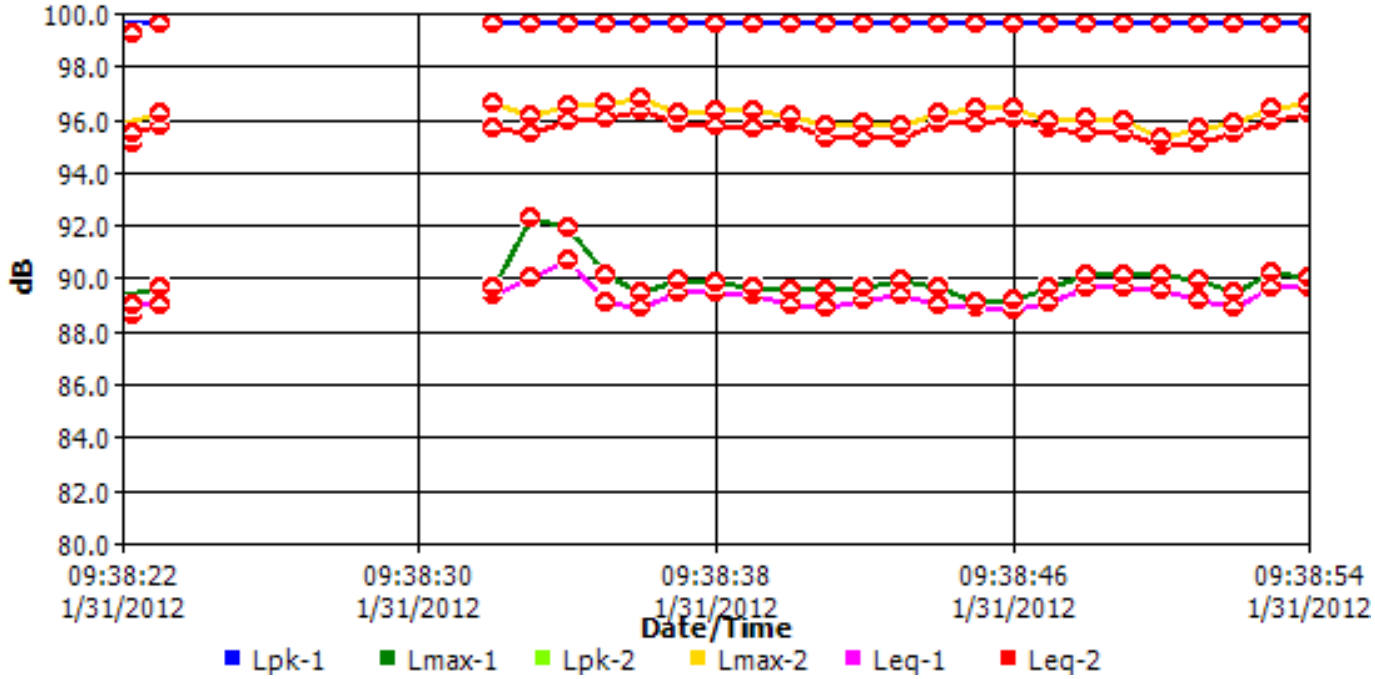
Filter Summary Table (cont'd)

MeterString	Summary Value
M#1-12.5Hz	26.7
M#1-16Hz	27.3
M#1-20Hz	27.9
M#1-25Hz	30.8
M#1-31.5Hz	41.4
M#1-40Hz	48.0
M#1-50Hz	53.2
M#1-63Hz	59.5
M#1-80Hz	60.3
M#1-100Hz	68.0
M#1-125Hz	70.9
M#1-160Hz	76.8
M#1-200Hz	73.3
M#1-250Hz	71.0
M#1-315Hz	72.7
M#1-400Hz	74.0
M#1-500Hz	76.2
M#1-630Hz	77.6
M#1-800Hz	77.8
M#1-1.00kHz	78.2
M#1-1.25kHz	79.7
M#1-1.60kHz	80.3
M#1-2.00kHz	78.6
M#1-2.50kHz	77.1
M#1-3.15kHz	76.1
M#1-4.00kHz	76.5
M#1-5.00kHz	73.3
M#1-6.30kHz	71.5
M#1-8.00kHz	68.4
M#1-10.00kHz	62.6
M#1-12.50kHz	56.3
M#1-16.00kHz	50.4
M#1-20.00kHz	44.7

Filter Summary Chart



Logged Data Chart



Logged Data Table

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:38:22 AM	99.6	89.3	99.6	95.8	95.4	89.0
1/31/2012 9:38:23 AM	99.6	89.6	99.6	96.2	95.7	89.0
1/31/2012 9:38:32 AM	99.6	89.6	99.6	96.6	95.6	89.3
1/31/2012 9:38:33 AM	99.6	92.3	99.6	96.1	95.4	90.0
1/31/2012 9:38:34 AM	99.6	91.9	99.6	96.5	95.9	90.7
1/31/2012 9:38:35 AM	99.6	90.1	99.6	96.6	96.0	89.1
1/31/2012 9:38:36 AM	99.6	89.4	99.6	96.8	96.3	88.9
1/31/2012 9:38:37 AM	99.6	89.9	99.6	96.2	95.8	89.4
1/31/2012 9:38:38 AM	99.6	89.8	99.6	96.3	95.7	89.4
1/31/2012 9:38:39 AM	99.6	89.6	99.6	96.3	95.6	89.3
1/31/2012 9:38:40 AM	99.6	89.5	99.6	96.1	95.8	89.0
1/31/2012 9:38:41 AM	99.6	89.5	99.6	95.7	95.3	88.9
1/31/2012 9:38:42 AM	99.6	89.6	99.6	95.8	95.3	89.2
1/31/2012 9:38:43 AM	99.6	89.9	99.6	95.7	95.3	89.3
1/31/2012 9:38:44 AM	99.6	89.6	99.6	96.2	95.8	89.0
1/31/2012 9:38:45 AM	99.6	89.1	99.6	96.4	95.8	88.9
1/31/2012 9:38:46 AM	99.6	89.2	99.6	96.4	96.0	88.8
1/31/2012 9:38:47 AM	99.6	89.6	99.6	95.9	95.6	89.1
1/31/2012 9:38:48 AM	99.6	90.1	99.6	96.0	95.4	89.6
1/31/2012 9:38:49 AM	99.6	90.1	99.6	95.9	95.4	89.6
1/31/2012 9:38:50 AM	99.6	90.1	99.6	95.3	95.0	89.5
1/31/2012 9:38:51 AM	99.6	89.9	99.6	95.6	95.1	89.2
1/31/2012 9:38:52	99.6	89.4	99.6	95.8	95.4	88.9

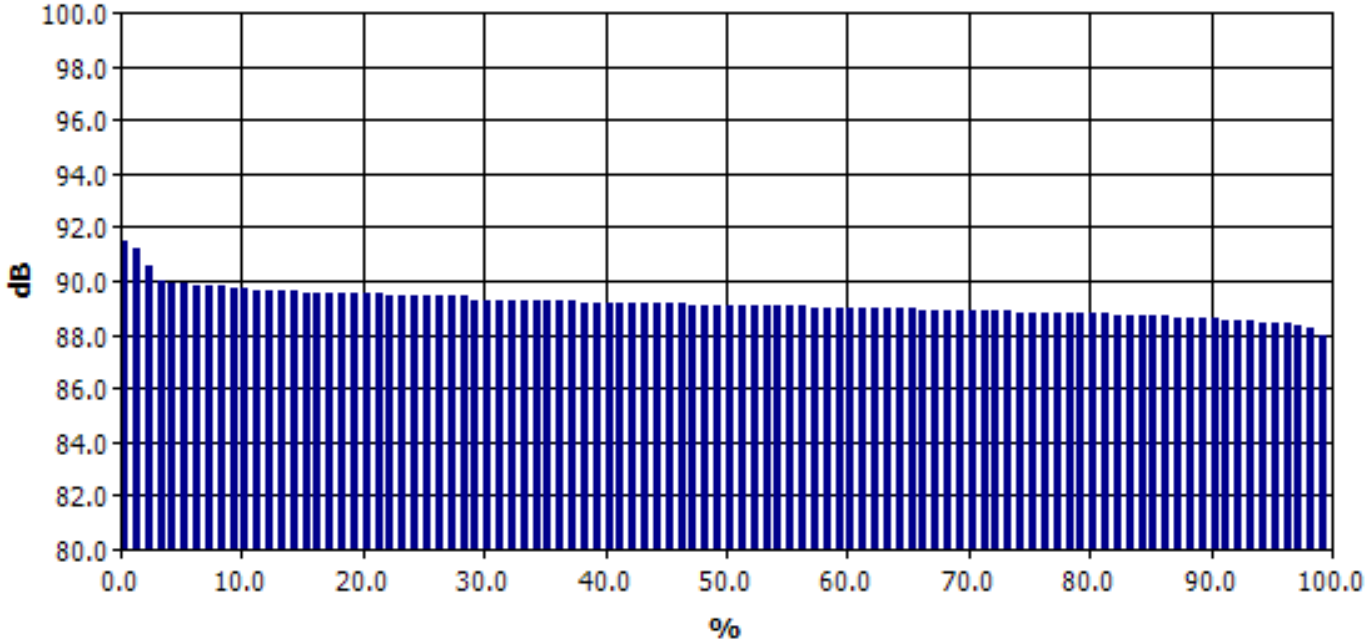
Logged Data Table (cont'd)

Timestamp	Lpk-1	Lmax-1	Lpk-2	Lmax-2	Leq-2	Leq-1
1/31/2012 9:38:53 AM	99.6	90.2	99.6	96.4	95.9	89.6
1/31/2012 9:38:54 AM	99.6	90.0	99.6	96.6	96.2	89.6

Statistics Table

dB	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.0	0.0	0.2	0.6	0.6	1.0	3.0	3.4	4.1	4.7	8.0	25.5
89.0	7.9	9.4	9.5	9.6	9.0	7.2	6.2	4.6	2.1	2.4	67.7
90.0	2.3	0.9	0.1	0.2	0.0	0.0	0.3	0.1	0.1	0.1	4.1
91.0	0.3	0.0	0.4	0.2	0.2	0.4	0.5	0.2	0.2	0.1	2.5
92.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		91.5	91.2	90.6	90.0	89.9	89.9	89.8	89.8	89.8
10%	89.7	89.7	89.6	89.6	89.6	89.6	89.5	89.5	89.5	89.5
20%	89.5	89.5	89.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4
30%	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.2
40%	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.1	89.1
50%	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.0	89.0
60%	89.0	89.0	89.0	89.0	89.0	89.0	89.0	88.9	88.9	88.9
70%	88.9	88.9	88.9	88.9	88.9	88.8	88.8	88.8	88.8	88.8
80%	88.8	88.8	88.8	88.7	88.7	88.7	88.7	88.7	88.6	88.6
90%	88.6	88.6	88.5	88.5	88.5	88.4	88.4	88.4	88.3	88.2
100%	88.0									

Air Quality Analyses

February 7, 2012
Project No. DFW12009

MODERN GEOSCIENCES
Trusted Environmental Advisors

Monitoring Period: *February 5th (5:25 PM) to February 7th (7:00 AM)*

Air Monitoring Results
Titan Padsite
7504 Pleasant Run
Colleyville, Texas

Daily Monitoring Report

BACKGROUND:

Titan Operating, LLC (Titan) is performing flowback activities from February 5, 2012 through approximately February 10, 2012 at the above facility. Per the Colleyville Land Development Code; Chapter 3.1, these operations may only occur during daytime hours (7:00 a.m. to 7:00 p.m.) and must meet all City of Colleyville ordinance requirements. Concurrent with these operations, Modern Geosciences, LLC (Modern) has been engaged by the City of Colleyville to perform 24-hour air monitoring during this period. For more information on this padsite and City requirements, please visit www.colleyville.com/gaswelldrilling.html.

MONITORING APPROACH:

Modern has deployed an Open-Path Monitor (OPM) that extends for approximately 50 meters (164 feet) through the well/equipment work area. The OPM projects a continuous beam of ultraviolet light (UV) that is capable of detecting specific compounds entering the beam and providing an estimate of concentrations. Data is collected approximately every three seconds and averaged over five-minute intervals. Additionally, Modern is using a wireless monitoring system to maintain contact with the OPM and review data throughout monitoring period. Additional monitoring data includes periodic inspection both inside and outside the padsite during operations by Modern personnel with handheld analyzers. A summation of the target compounds monitored through OPM and direct field measurements is included below.

MONITORING RESULTS:

During the monitoring period the following data were noted:

- Average wind directions were to the southwest during operational hours; and
- No spills or releases were noted during periodic inspections within operational hours.

Maximum field monitoring results outside padsite boundaries are presented in Table 1.

Table 1 External Padsite Maximum Concentrations

Compound	MDL	Regulatory Goal	North	East	South	West
Methane:	1	10,000*	11	<1	12	32
tVOCs:	0.001	10,000	<0.001	<0.001	<0.001	<0.001
H_2S:	1	0.08	<1	<1	<1	<1

*All concentrations presented in parts per million by volume (ppmv) * 20% of the Lower Explosive Limit (LEL)*
tVOCs (total Volatile organic Compounds); H_2S (Hydrogen Sulfide);
MDL (Method or Equipment Detection Limit)

Maximum field monitoring results inside padsite boundaries are presented in Table 2.

Table 2 Internal Padsite Maximum Concentrations

Compound	MDL	Regulatory Goal	North	East	South	West
Methane:	1	10,000*	31	4	147	150
tVOCs:	0.001	10,000	0.004	0.002	0.002	0.012
H_2S:	1	0.08	<1	<1	<1	<1

*All concentrations presented in parts per million by volume (ppmv) * 20% LEL*
tVOCs (total Volatile organic Compounds); H_2S (Hydrogen Sulfide);
MDL (Method or Equipment Detection Limit)

OPM results are presented in Table 3.

Table 3 OPM Monitoring Data Summary

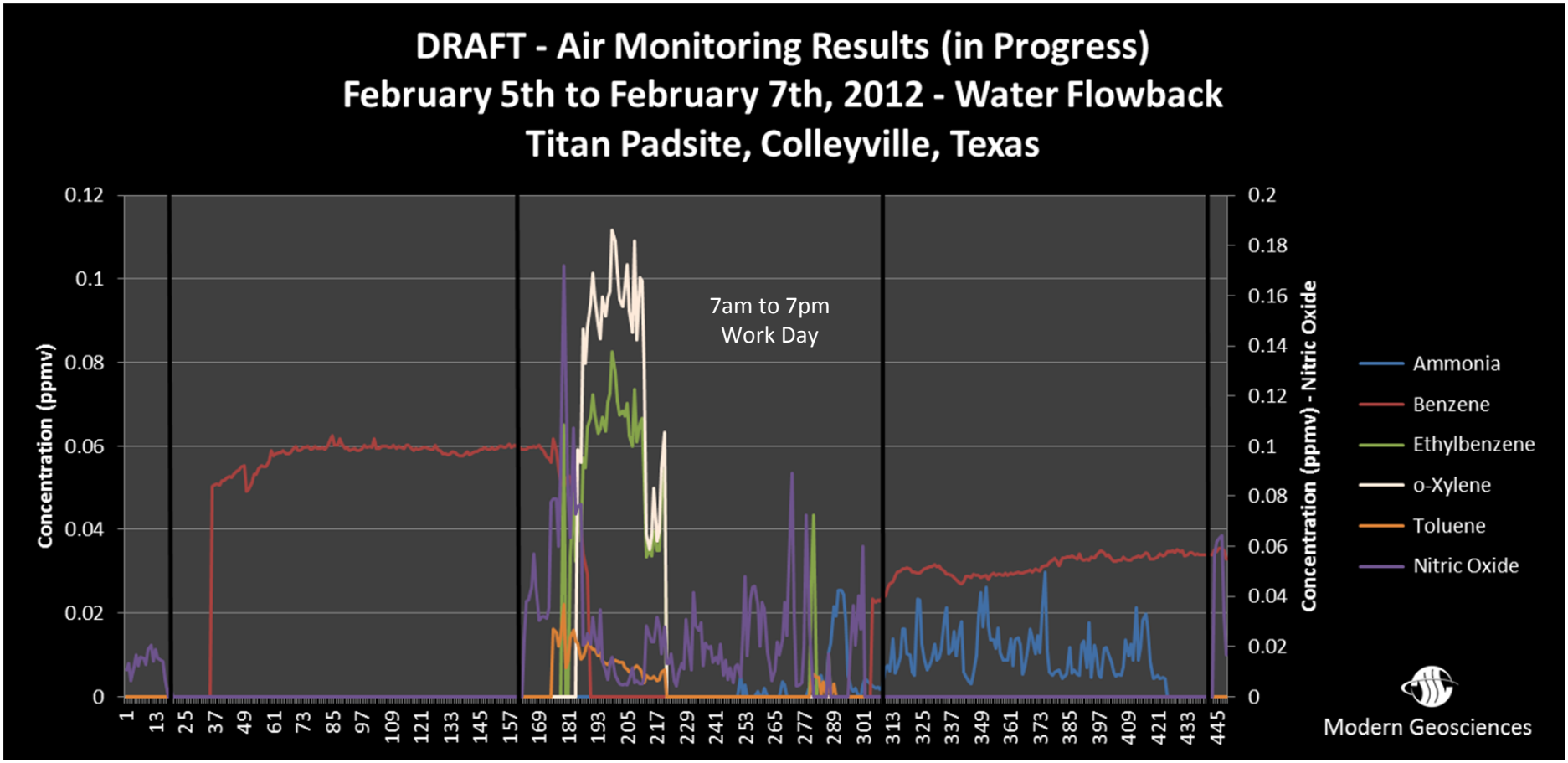
COC	MDL	Day/Night Maximum 1700-0700	Day Maximum 0700-1900	Night Maximum 1900-0700	NAAQS	AMCV
Ammonia	0.006	BDL	**0.025**	**0.029**		NA
Acetaldehyde	0.030	BDL	BDL	BDL		0.05
Benzene	0.003	**0.062**	**0.062**	**0.035**		0.18
Ethyl Benzene	0.003	BDL	**0.083**	BDL		20
Formaldehyde	0.032	BDL	BDL	BDL		0.041
Naphthalene	0.002	BDL	BDL	BDL		500
Hydrogen Sulfide	0.005	BDL	BDL	BDL		NA
Nitric Oxide (NO)	0.003	**0.020**	**0.172**	BDL		NA
Nitrogen Dioxide (NO_2)	0.040	BDL	BDL	BDL	0.1	NA
Ozone (O_3)	0.020	BDL	BDL	BDL	0.12	NA
o-xylene	0.038	BDL	**0.111**	**0.068**		1.7
m-xylene	0.004	BDL	BDL	BDL		1.7
p-xylene	0.002	BDL	BDL	BDL		1.7
Phenol	0.003	BDL	BDL	BDL		NA
Sulfur Dioxide (SO_2)	0.003	BDL	BDL	BDL	0.5	NA
Styrene	0.006	BDL	BDL	BDL		5.1
Toluene	0.008	BDL	**0.022**	BDL		4

MDL – Path-length Method/Equipment Detection Limit (100 meters) All concentrations presented in parts per million by volume (ppmv)
** Utilizes ESLs or other Texas statutory criteria when an AMCV is not available NA – Not Available*
AMCV – Air Monitoring Comparison Value (TCEQ; 2011) – Short-term health-based criteria
NAAQS – National Ambient Air Quality Standards (SO_2 – 3-hour secondary criteria, NO_2 – 1-hour primary criteria,
O_3 – 8-hour primary criteria is 0.075, with legacy 1-hour average of 0.12)
BDL – Below Detection Limits

MONITORING DISCUSSION:

Six (6) compounds were noted above equipment detection limits in the OPM alignment. This included ammonia, benzene, ethylbenzene, o-xylene, toluene, and nitric oxide. None of the identified compounds exceed TCEQ Air Monitoring Comparison Values (AMCVs) for short-term health criteria or National Ambient Air Quality Standards (NAAQS) set by the EPA. It should be noted that these compounds were detected within a work area near actual emission sources.

Following completion of daily monitoring efforts, a full summary report will be prepared to document individual monitoring observations, monitoring methodology, regulatory comparison criteria and final results.


DRAFT - Air Monitoring Results (in Progress)
February 5th to February 7th, 2012 - Water Flowback
Titan Padsite, Colleyville, Texas
Concentration (ppmv)
Concentration (ppmv) - Nitric Oxide
7am to 7pm
Work Day
Ammonia
Benzene
Ethylbenzene
o-Xylene
Toluene
Nitric Oxide
Modern Geosciences

February 8, 2012
Project No. DFW12009

MODERN GEOSCIENCES
Trusted Environmental Advisors

Monitoring Period: *February 7th (7:00 AM) to February 8th (7:00 AM)*

Air Monitoring Results
Titan Padsite
7504 Pleasant Run
Colleyville, Texas

Daily Monitoring Report

BACKGROUND:

Titan Operating, LLC (Titan) is performing flowback activities from February 5, 2012 through approximately February 10, 2012 at the above facility. Per the Colleyville Land Development Code; Chapter 3.1, these operations may only occur during daytime hours (7:00 a.m. to 7:00 p.m.) and must meet all City of Colleyville ordinance requirements. Concurrent with these operations, Modern Geosciences, LLC (Modern) has been engaged by the City of Colleyville to perform 24-hour air monitoring during this period. For more information on this padsite and City requirements, please visit www.colleyville.com/gaswelldrilling.html.

MONITORING APPROACH:

Modern has deployed an Open-Path Monitor (OPM) that extends for approximately 50 meters (164 feet) through the well/equipment work area. The OPM projects a continuous beam of ultraviolet light (UV) that is capable of detecting specific compounds entering the beam and providing an estimate of concentrations. Data is collected approximately every three seconds and averaged over five-minute intervals. Additionally, Modern is using a wireless monitoring system to maintain contact with the OPM and review data throughout monitoring period. Additional monitoring data includes periodic inspection both inside and outside the padsite during operations by Modern personnel with handheld analyzers. A summation of the target compounds monitored through OPM and direct field measurements is included below.

MONITORING RESULTS:

During the monitoring period the following data were noted:

- Average wind directions were to the south-southeast during operational hours; and
- No spills or releases were noted during periodic inspections within operational hours.

Maximum field monitoring results outside padsite boundaries are presented in Table 1.

Table 1 External Padsite Maximum Concentrations

Compound	MDL	Regulatory Goal	North	East	South	West
Methane:	1	10,000*	11	<1	<1	<1
tVOCs:	0.001	10,000	<0.001	<0.001	<0.001	<0.001
H_2S:	1	0.08	<1	<1	<1	<1

*All concentrations presented in parts per million by volume (ppmv) * 20% of the Lower Explosive Limit (LEL)*
tVOCs (total Volatile organic Compounds); H_2S (Hydrogen Sulfide);
MDL (Method or Equipment Detection Limit)

Maximum field monitoring results inside padsite boundaries are presented in Table 2.

Table 2 Internal Padsite Maximum Concentrations

Compound	MDL	Regulatory Goal	North	East	South	West
Methane:	1	10,000*	31	4	77	5
tVOCs:	0.001	10,000	<0.001	<0.001	<0.001	<0.001
H_2S:	1	0.08	<1	<1	<1	<1

*All concentrations presented in parts per million by volume (ppmv) * 20% LEL*
tVOCs (total Volatile organic Compounds); H_2S (Hydrogen Sulfide);
MDL (Method or Equipment Detection Limit)

OPM results are presented in Table 3.

Table 3 OPM Monitoring Data Summary

COC	MDL	Day Maximum 0700-1900	Night Maximum 1900-0700	NAAQS	AMCV
Ammonia	0.006	**0.028**	**0.019**		NA
Acetaldehyde	0.030	BDL	BDL		0.05
Benzene	0.003	**0.044**	**0.081**		0.18
Ethyl Benzene	0.003	**0.129**	**0.214**		20
Formaldehyde	0.032	BDL	BDL		0.041
Naphthalene	0.002	BDL	BDL		500
Hydrogen Sulfide	0.005	BDL	BDL		NA
Nitric Oxide (NO)	0.003	**0.196**	BDL		NA
Nitrogen Dioxide (NO_2)	0.040	BDL	BDL	0.1	NA
Ozone (O_3)	0.020	BDL	BDL	0.12	NA
o-xylene	0.038	**0.157**	**0.288**		1.7
m-xylene	0.004	BDL	BDL		1.7
p-xylene	0.002	**0.009**	BDL		1.7
Phenol	0.003	BDL	BDL		NA
Sulfur Dioxide (SO_2)	0.003	BDL	BDL	0.5	NA
Styrene	0.006	BDL	BDL		5.1
Toluene	0.008	**0.022**	BDL		4

MDL – Path-length Method/Equipment Detection Limit (100 meters) All concentrations presented in parts per million by volume (ppmv)
** Utilizes ESLs or other Texas statutory criteria when an AMCV is not available NA – Not Available*
AMCV – Air Monitoring Comparison Value (TCEQ; 2011) – Short-term health-based criteria
NAAQS – National Ambient Air Quality Standards (SO_2 – 3-hour secondary criteria, NO_2 – 1-hour primary criteria,
O_3 – 8-hour primary criteria is 0.075, with legacy 1-hour average of 0.12)
BDL – Below Detection Limits

MONITORING DISCUSSION:

Seven (7) compounds were noted above equipment detection limits in the OPM alignment. This included ammonia, benzene, ethylbenzene, o-xylene, p-xylene, toluene, and nitric oxide. None of the identified compounds exceed TCEQ Air Monitoring Comparison Values (AMCVs) for short-term health criteria or National Ambient Air Quality Standards (NAAQS) set by the EPA. It should be noted that these compounds were detected within a work area near actual emission sources.

Following completion of daily monitoring efforts, a full summary report will be prepared to document individual monitoring observations, monitoring methodology, regulatory comparison criteria and final results.

February 9, 2012
Project No. DFW12009

MODERN GEOSCIENCES
Trusted Environmental Advisors

Monitoring Period: *February 8th (7:00 AM) to February 9th (7:00 AM)*

Air Monitoring Results
Titan Padsite
7504 Pleasant Run
Colleyville, Texas

Daily Monitoring Report

BACKGROUND:

Titan Operating, LLC (Titan) is performing flowback activities from February 5, 2012 through approximately February 14, 2012 at the above facility. Per the Colleyville Land Development Code; Chapter 3.1, these operations may only occur during daytime hours (7:00 a.m. to 7:00 p.m.) and must meet all City of Colleyville ordinance requirements. Concurrent with these operations, Modern Geosciences, LLC (Modern) has been engaged by the City of Colleyville to perform 24-hour air monitoring during this period. For more information on this padsite and City requirements, please visit www.colleyville.com/gaswelldrilling.html.

MONITORING APPROACH:

Modern has deployed an Open-Path Monitor (OPM) that extends for approximately 50 meters (164 feet) through the well/equipment work area. The OPM projects a continuous beam of ultraviolet light (UV) that is capable of detecting specific compounds entering the beam and providing an estimate of concentrations. Data is collected approximately every three seconds and averaged over five-minute intervals. Additionally, Modern is using a wireless monitoring system to maintain contact with the OPM and review data throughout monitoring period. Additional monitoring data includes periodic inspection both inside and outside the padsite during operations by Modern personnel with handheld analyzers. A summation of the target compounds monitored through OPM and direct field measurements is included below.

MONITORING RESULTS:

During the monitoring period the following data were noted:

- Average wind directions were to the southwest during operational hours; and
- No spills or releases were noted during periodic inspections within operational hours.

Maximum field monitoring results outside padsite boundaries are presented in Table 1.

Table 1 External Padsite Maximum Concentrations

Compound	MDL	Regulatory Goal	North	East	South	West
Methane:	1	10,000*	<1	<1	3	<1
tVOCs:	0.001	10,000	<0.001	<0.001	<0.001	<0.001
H_2S:	1	0.08	<1	<1	<1	<1

*All concentrations presented in parts per million by volume (ppmv) * 20% of the Lower Explosive Limit (LEL)*
tVOCs (total Volatile organic Compounds); H_2S (Hydrogen Sulfide);
MDL (Method or Equipment Detection Limit)

Maximum field monitoring results inside padsite boundaries are presented in Table 2.

Table 2 Internal Padsite Maximum Concentrations

Compound	MDL	Regulatory Goal	North	East	South	West
Methane:	1	10,000*	0	6	50	3
tVOCs:	0.001	10,000	<0.001	<0.001	<0.001	<0.001
H_2S:	1	0.08	<1	<1	<1	<1

*All concentrations presented in parts per million by volume (ppmv) * 20% LEL*
tVOCs (total Volatile organic Compounds); H_2S (Hydrogen Sulfide);
MDL (Method or Equipment Detection Limit)

OPM results are presented in Table 3.

Table 3 OPM Monitoring Data Summary

COC	MDL	Day Maximum 0700-1900	Night Maximum 1900-0700	NAAQS	AMCV
Ammonia	0.006	**0.018**	**0.016**		NA
Acetaldehyde	0.030	BDL	BDL		0.05
Benzene	0.003	**0.077**	**0.085**		0.18
Ethyl Benzene	0.003	**0.374**	**0.281**		20
Formaldehyde	0.032	BDL	BDL		0.041
Naphthalene	0.002	BDL	BDL		500
Hydrogen Sulfide	0.005	BDL	BDL		NA
Nitric Oxide (NO)	0.003	**0.074**	BDL		NA
Nitrogen Dioxide (NO_2)	0.040	BDL	BDL	0.1	NA
Ozone (O_3)	0.020	BDL	BDL	0.12	NA
o-xylene	0.038	**0.157**	**0.384**		1.7
m-xylene	0.004	**0.527**	**0.064**		1.7
p-xylene	0.002	BDL	BDL		1.7
Phenol	0.003	BDL	BDL		NA
Sulfur Dioxide (SO_2)	0.003	BDL	BDL	0.5	NA
Styrene	0.006	BDL	BDL		5.1
Toluene	0.008	**0.028**	**0.022**		4

MDL – Path-length Method/Equipment Detection Limit (100 meters) All concentrations presented in parts per million by volume (ppmv)
** Utilizes ESLs or other Texas statutory criteria when an AMCV is not available NA – Not Available*
AMCV – Air Monitoring Comparison Value (TCEQ; 2011) – Short-term health-based criteria
NAAQS – National Ambient Air Quality Standards (SO_2 – 3-hour secondary criteria, NO_2 – 1-hour primary criteria,
O_3 – 8-hour primary criteria is 0.075, with legacy 1-hour average of 0.12)
BDL – Below Detection Limits

MONITORING DISCUSSION:

Seven (7) compounds were noted above equipment detection limits in the OPM alignment. This included ammonia, benzene, ethylbenzene, o-xylene, m-xylene, toluene, and nitric oxide. None of the identified compounds exceed TCEQ Air Monitoring Comparison Values (AMCVs) for short-term health criteria or National Ambient Air Quality Standards (NAAQS) set by the EPA. It should be noted that these compounds were detected within a work area near actual emission sources.

Following completion of daily monitoring efforts, a full summary report will be prepared to document individual monitoring observations, monitoring methodology, regulatory comparison criteria and final results.

Noise Monitoring Analyses

Continuous Daily Monitoring Report

NAC
Noise Attenuation Construction

report for:

Titan Operating
Trinity
Report Date: Feb 3 2012
Municipality: City of Colleyville

Operations: **Fracturing**
Survey Findings: **In Compliance**
Reporting Period: Feb 2, 2012

Dear Mr. Brown,

We have measured and calculated the sound levels and the results of the survey are shown in the attached chart.

The graph will display the hourly average (LEQ) sound levels and compare them against the approved allowable sound levels to insure continual compliance at the site.

The maximum permissable allowables are calculated from the results of the 72hr Ambient Survey performed by Mike Fann & Assoc., which yielded an ambient average of 53 dBA which has been submitted to the City of Colleyville.

Equipment:
B&K Model 2250 Type I ANSI 1.4 Approved
Calibration:
Feb 3 at 114 dB with no deviations
Meter Placement:

Please contact me if you have any questions or comments.

Best regards,

Brian Cackson

Acoustical Consultant
Noise Attenuation Construction (NAC)

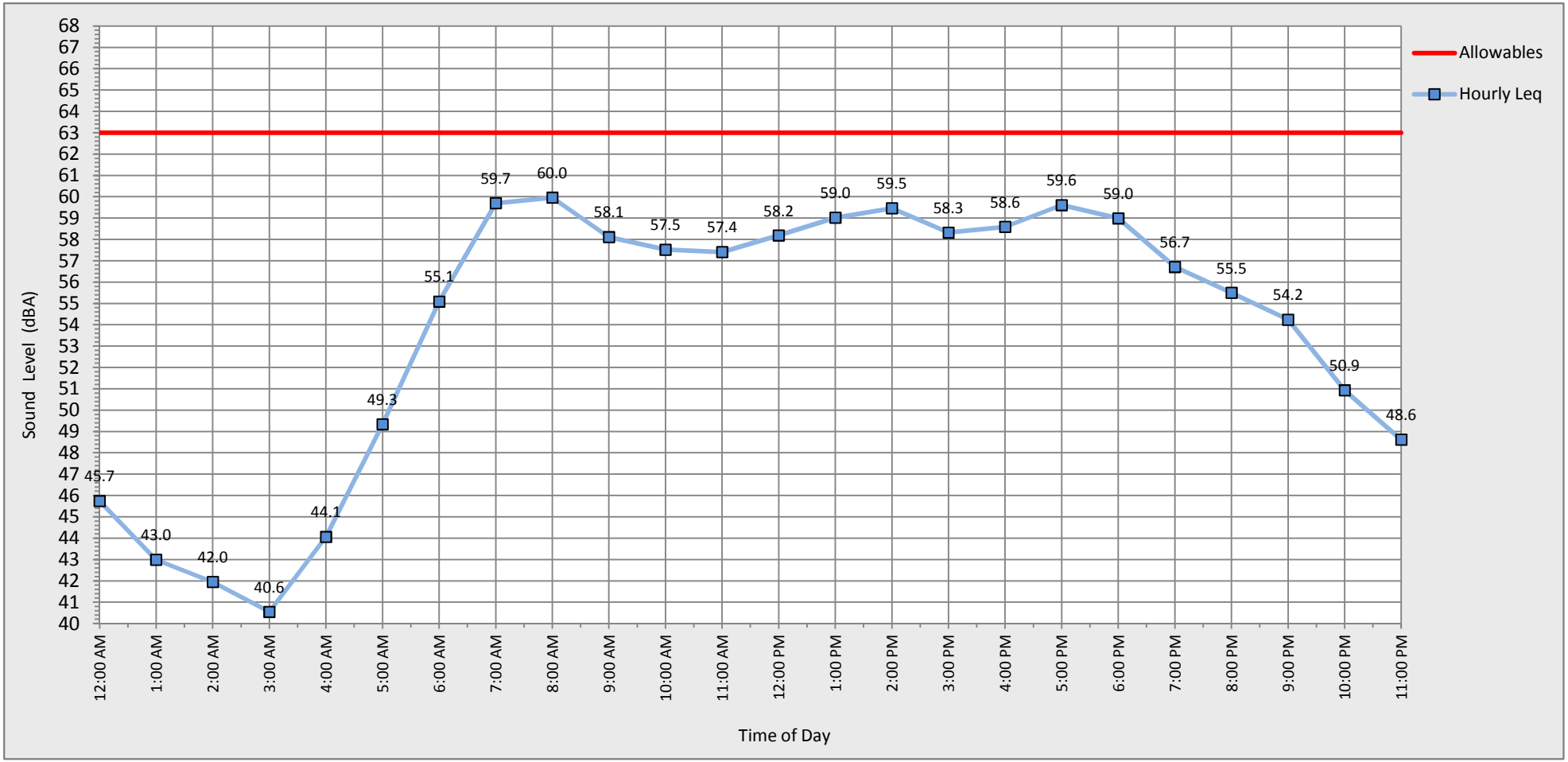
Continuous Daily Monitoring Report

Survey Findings: In Compliance

Audio Recording:	Enabled
Frequency Logging:	Enabled
Weighting:	dB in A Freq in A
Logging Periods:	1 Hour
Frac Max Allowable:	63 dBA

Raw Data (dBA):

12:00 AM	**45.7**	*8:00 AM*	**60.0**	*4:00 PM*	**58.6**
1:00 AM	**43.0**	*9:00 AM*	**58.1**	*5:00 PM*	**59.6**
2:00 AM	**42.0**	*10:00 AM*	**57.5**	*6:00 PM*	**59.0**
3:00 AM	**40.6**	*11:00 AM*	**57.4**	*7:00 PM*	**56.7**
4:00 AM	**44.1**	*12:00 PM*	**58.2**	*8:00 PM*	**55.5**
5:00 AM	**49.3**	*1:00 PM*	**59.0**	*9:00 PM*	**54.2**
6:00 AM	**55.1**	*2:00 PM*	**59.5**	*10:00 PM*	**50.9**
7:00 AM	**59.7**	*3:00 PM*	**58.3**	*11:00 PM*	**48.6**



Reporting Period: **Feb 2, 2012** **Trinity** **Hourly Averages (Leq)**

Continuous Daily Monitoring Report

report for:

Titan Operating
Trinity
Report Date: Feb 4 2012
Municipality: City of Colleyville

Operations: **Fracturing**
Survey Findings: **In Compliance**
Reporting Period: Feb 3, 2012

Dear Mr. Brown,

We have measured and calculated the sound levels and the results of the survey are shown in the attached chart.

The graph will display the hourly average (LEQ) sound levels and compare them against the approved allowable sound levels to insure continual compliance at the site.

The maximum permissable allowables are calculated from the results of the 72hr Ambient Survey performed by Mike Fann & Assoc., which yielded an ambient average of 53 dBA which has been submitted to the City of Colleyville.

Equipment:
B&K Model 2250 Type I ANSI 1.4 Approved
Calibration:
Feb 4 at 114 dB with no deviations
Meter Placement:

Please contact me if you have any questions or comments.

Best regards,

Brian Cackson

Acoustical Consultant
Noise Attenuation Construction (NAC)

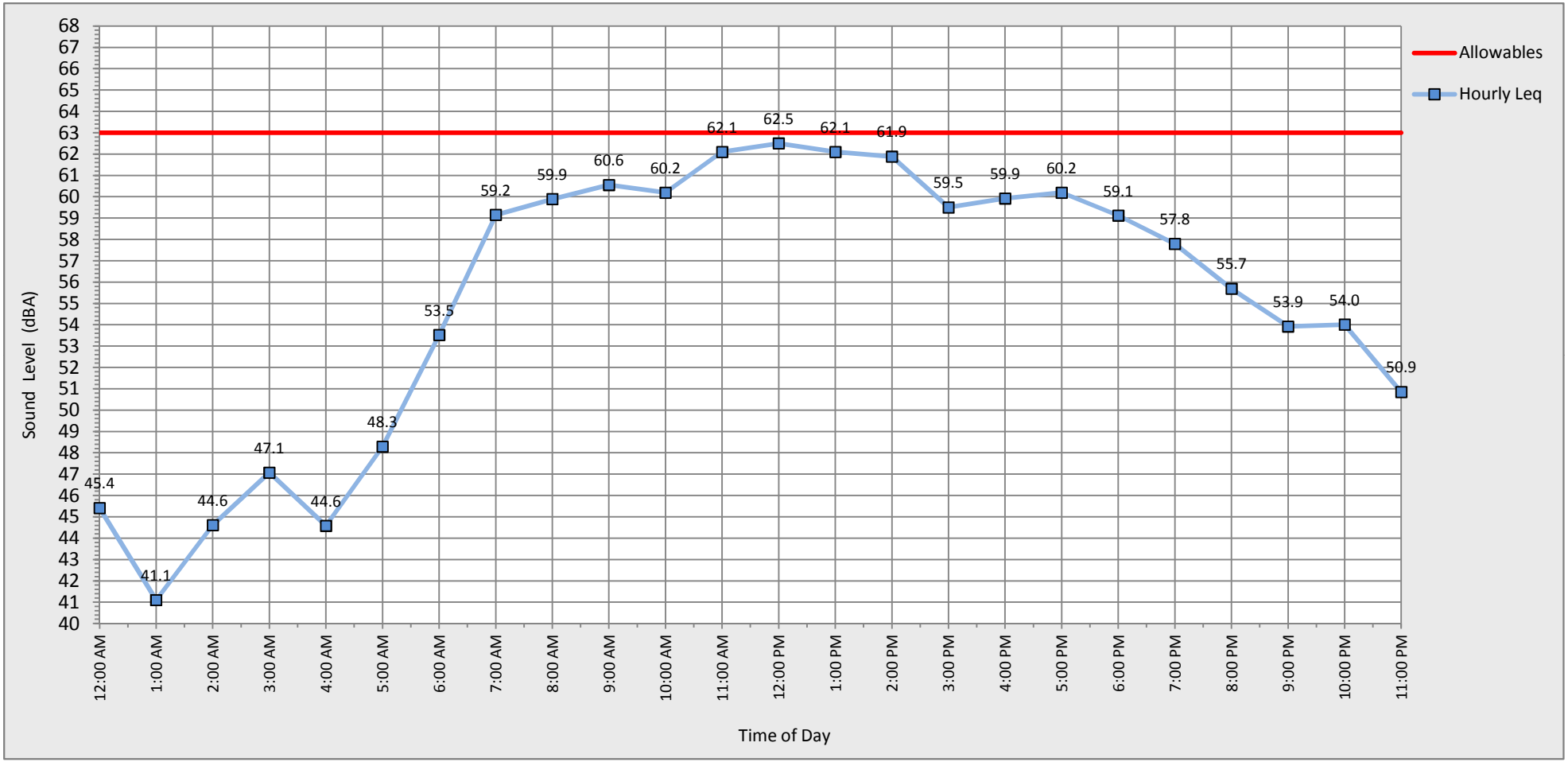
Continuous Daily Monitoring Report

Survey Findings: In Compliance

Audio Recording:	Enabled	
Frequency Logging:	Enabled	
Weighting:	dB in A	Freq in A
Logging Periods:	1 Hour	
Frac Max Allowable:	63	dBA

Raw Data (dBA):

12:00 AM	**45.4**	*8:00 AM*	**59.9**	*4:00 PM*	**59.9**
1:00 AM	**41.1**	*9:00 AM*	**60.6**	*5:00 PM*	**60.2**
2:00 AM	**44.6**	*10:00 AM*	**60.2**	*6:00 PM*	**59.1**
3:00 AM	**47.1**	*11:00 AM*	**62.1**	*7:00 PM*	**57.8**
4:00 AM	**44.6**	*12:00 PM*	**62.5**	*8:00 PM*	**55.7**
5:00 AM	**48.3**	*1:00 PM*	**62.1**	*9:00 PM*	**53.9**
6:00 AM	**53.5**	*2:00 PM*	**61.9**	*10:00 PM*	**54.0**
7:00 AM	**59.2**	*3:00 PM*	**59.5**	*11:00 PM*	**50.9**



Reporting Period: **Feb 3, 2012** **Trinity** **Hourly Averages (Leq)**

Continuous Daily Monitoring Report

NAC
Noise Attenuation Construction

report for:

Titan Operating
Trinity
Report Date: Feb 5 2012
Municipality: City of Colleyville

Operations:	**Fracturing**
Survey Findings:	**In Compliance**
Reporting Period:	Feb 4, 2012

Dear Mr. Brown,

We have measured and calculated the sound levels and the results of the survey are shown in the attached chart.

The graph will display the hourly average (LEQ) sound levels and compare them against the approved allowable sound levels to insure continual compliance at the site.

The maximum permissable allowables are calculated from the results of the 72hr Ambient Survey performed by Mike Fann & Assoc., which yielded an ambient average of 53 dBA which has been submitted to the City of Colleyville.

Equipment:
B&K Model 2250 Type I ANSI 1.4 Approved
Calibration:
Feb 5 at 114 dB with no deviations
Meter Placement:

Please contact me if you have any questions or comments.

Best regards,

Brian Cackson

Acoustical Consultant
Noise Attenuation Construction (NAC)

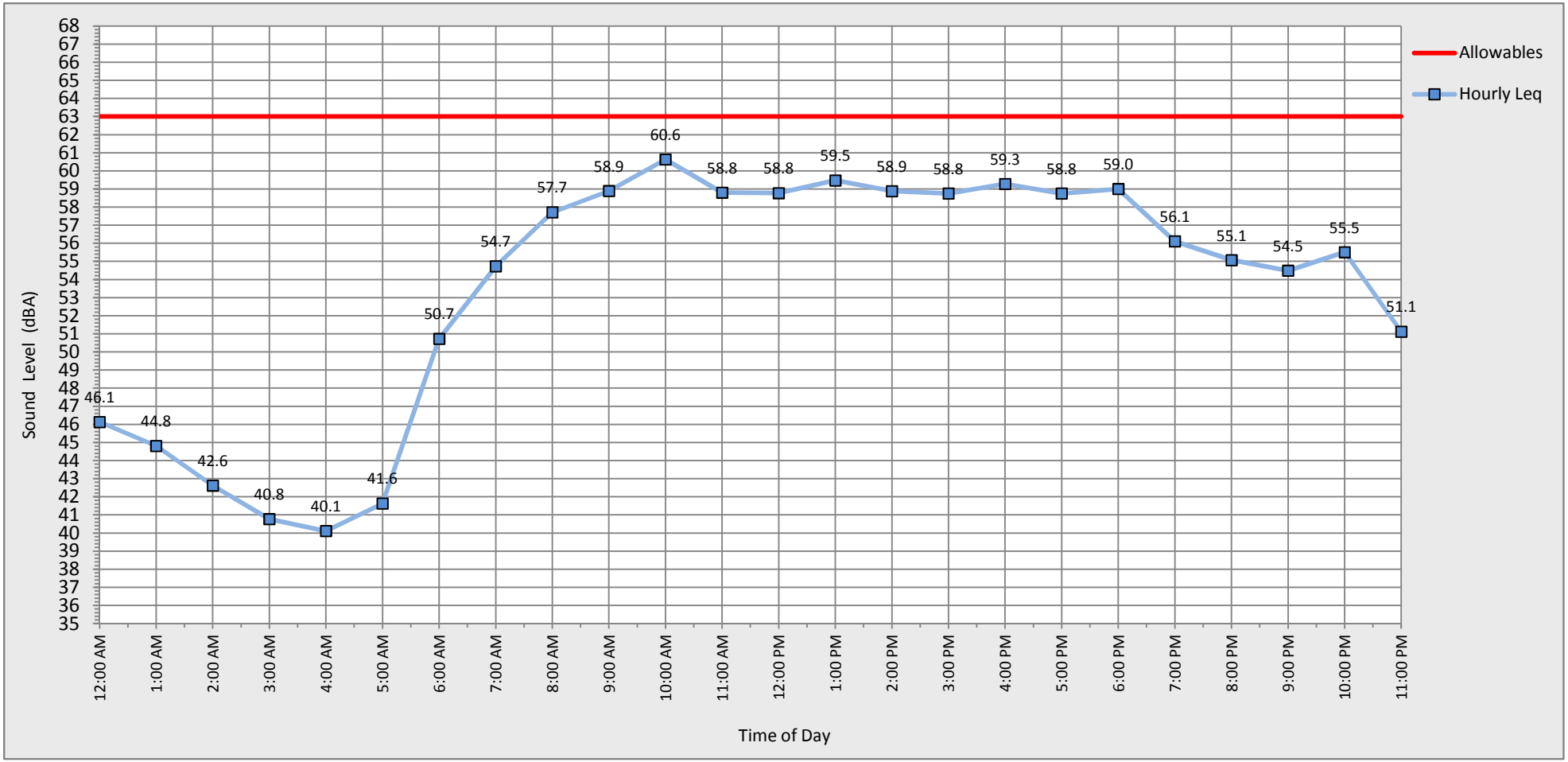
Continuous Daily Monitoring Report

Survey Findings: In Compliance

Audio Recording:	Enabled
Frequency Logging:	Enabled
Weighting:	dB in A Freq in A
Logging Periods:	1 Hour
Frac Max Allowable:	63 dBA

Raw Data (dBA):

12:00 AM	**46.1**	*8:00 AM*	**57.7**	*4:00 PM*	**59.3**
1:00 AM	**44.8**	*9:00 AM*	**58.9**	*5:00 PM*	**58.8**
2:00 AM	**42.6**	*10:00 AM*	**60.6**	*6:00 PM*	**59.0**
3:00 AM	**40.8**	*11:00 AM*	**58.8**	*7:00 PM*	**56.1**
4:00 AM	**40.1**	*12:00 PM*	**58.8**	*8:00 PM*	**55.1**
5:00 AM	**41.6**	*1:00 PM*	**59.5**	*9:00 PM*	**54.5**
6:00 AM	**50.7**	*2:00 PM*	**58.9**	*10:00 PM*	**55.5**
7:00 AM	**54.7**	*3:00 PM*	**58.8**	*11:00 PM*	**51.1**



Reporting Period: **Feb 4, 2012** **Trinity** **Hourly Averages (Leq)**

Continuous Daily Monitoring Report

report for:

Titan Operating
Trinity
Report Date: Feb 6 2012
Municipality: City of Colleyville

Operations: **Fracturing**
Survey Findings: **In Compliance**
Reporting Period: Feb 5, 2012

Dear Mr. Brown,

We have measured and calculated the sound levels and the results of the survey are shown in the attached chart.

The graph will display the hourly average (LEQ) sound levels and compare them against the approved allowable sound levels to insure continual compliance at the site.

The maximum permissable allowables are calculated from the results of the 72hr Ambient Survey performed by Mike Fann & Assoc., which yielded an ambient average of 53 dBA which has been submitted to the City of Colleyville.

Equipment:
B&K Model 2250 Type I ANSI 1.4 Approved
Calibration:
Feb 6 at 114 dB with no deviations
Meter Placement:

Please contact me if you have any questions or comments.

Best regards,

Brian Cackson

Acoustical Consultant
Noise Attenuation Construction (NAC)

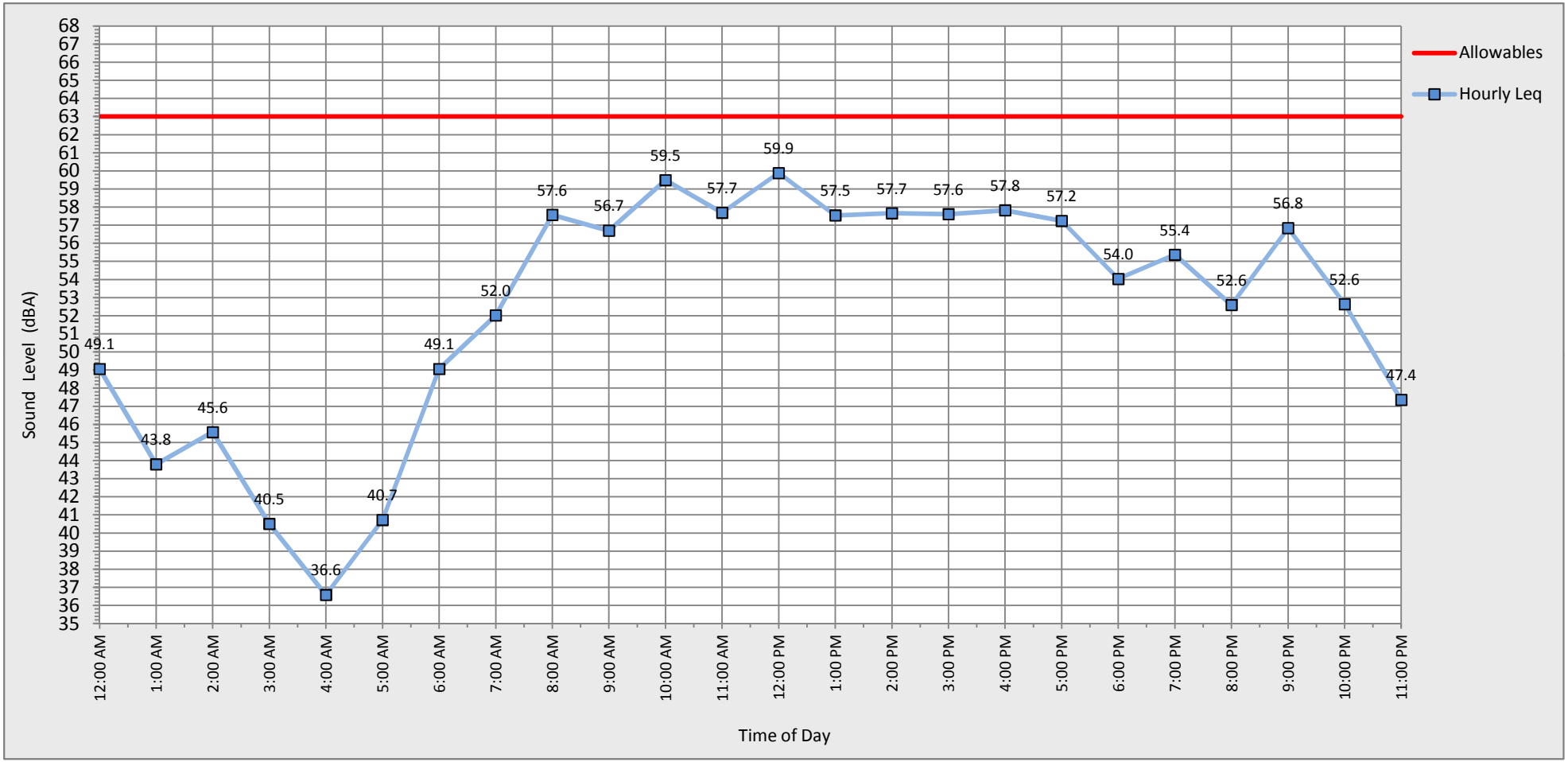
Continuous Daily Monitoring Report

Survey Findings: In Compliance

Audio Recording:	Enabled	
Frequency Logging:	Enabled	
Weighting:	dB in A	Freq in A
Logging Periods:	1 Hour	
Frac Max Allowable:	63	dBA

Raw Data (dBA):

12:00 AM	**49.1**	*8:00 AM*	**57.6**	*4:00 PM*	**57.8**
1:00 AM	**43.8**	*9:00 AM*	**56.7**	*5:00 PM*	**57.2**
2:00 AM	**45.6**	*10:00 AM*	**59.5**	*6:00 PM*	**54.0**
3:00 AM	**40.5**	*11:00 AM*	**57.7**	*7:00 PM*	**55.4**
4:00 AM	**36.6**	*12:00 PM*	**59.9**	*8:00 PM*	**52.6**
5:00 AM	**40.7**	*1:00 PM*	**57.5**	*9:00 PM*	**56.8**
6:00 AM	**49.1**	*2:00 PM*	**57.7**	*10:00 PM*	**52.6**
7:00 AM	**52.0**	*3:00 PM*	**57.6**	*11:00 PM*	**47.4**



Reporting Period: **Feb 5, 2012** **Trinity** **Hourly Averages (Leq)**

Continuous Daily Monitoring Report

report for:

Titan Operating
Trinity
Report Date: Feb 7 2012
Municipality: City of Colleyville

Operations: **Fracturing**
Survey Findings: **In Compliance**
Reporting Period: Feb 6, 2012

Dear Mr. Brown,

We have measured and calculated the sound levels and the results of the survey are shown in the attached chart.

The graph will display the hourly average (LEQ) sound levels and compare them against the approved allowable sound levels to insure continual compliance at the site.

The maximum permissable allowables are calculated from the results of the 72hr Ambient Survey performed by Mike Fann & Assoc., which yielded an ambient average of 53 dBA which has been submitted to the City of Colleyville.

Equipment:
B&K Model 2250 Type I ANSI 1.4 Approved
Calibration:
Feb 7 at 114 dB with no deviations
Meter Placement:

Please contact me if you have any questions or comments.

Best regards,

Brian Cackson

Acoustical Consultant
Noise Attenuation Construction (NAC)

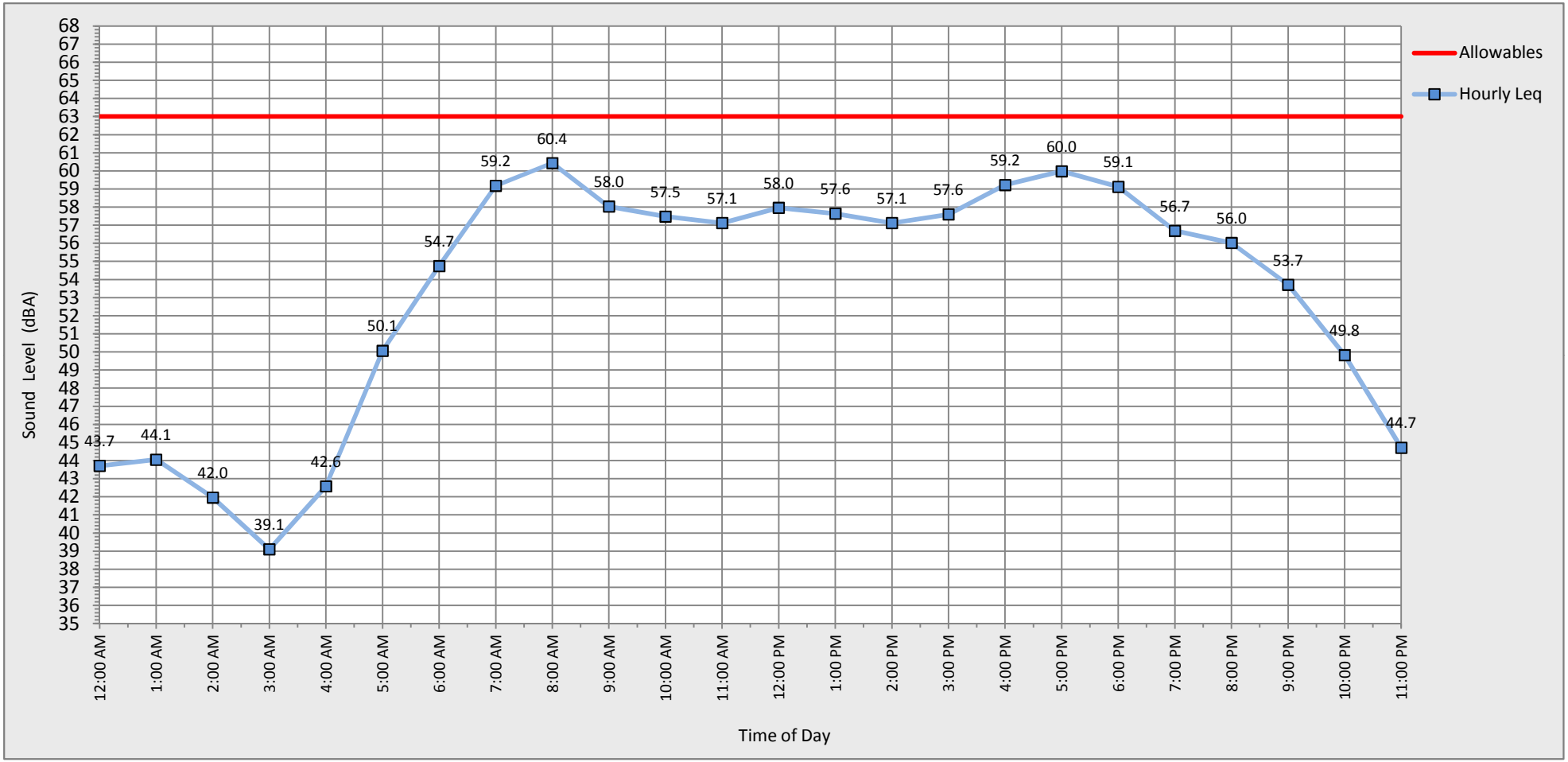
Continuous Daily Monitoring Report

Survey Findings: In Compliance

Audio Recording:	Enabled
Frequency Logging:	Enabled
Weighting:	dB in A Freq in A
Logging Periods:	1 Hour
Frac Max Allowable:	63 dBA

Raw Data (dBA):

12:00 AM	**43.7**	*8:00 AM*	**60.4**	*4:00 PM*	**59.2**
1:00 AM	**44.1**	*9:00 AM*	**58.0**	*5:00 PM*	**60.0**
2:00 AM	**42.0**	*10:00 AM*	**57.5**	*6:00 PM*	**59.1**
3:00 AM	**39.1**	*11:00 AM*	**57.1**	*7:00 PM*	**56.7**
4:00 AM	**42.6**	*12:00 PM*	**58.0**	*8:00 PM*	**56.0**
5:00 AM	**50.1**	*1:00 PM*	**57.6**	*9:00 PM*	**53.7**
6:00 AM	**54.7**	*2:00 PM*	**57.1**	*10:00 PM*	**49.8**
7:00 AM	**59.2**	*3:00 PM*	**57.6**	*11:00 PM*	**44.7**



Reporting Period: **Feb 6, 2012** **Trinity** **Hourly Averages (Leq)**

Continuous Daily Monitoring Report

NAC
Noise Attenuation Construction

report for:

Titan Operating
Trinity
Report Date: Feb 8 2012
Municipality: City of Colleyville

Operations:	**Fracturing**
Survey Findings:	**In Compliance**
Reporting Period:	Feb 7, 2012

Dear Mr. Brown,

We have measured and calculated the sound levels and the results of the survey are shown in the attached chart.

The graph will display the hourly average (LEQ) sound levels and compare them against the approved allowable sound levels to insure continual compliance at the site.

The maximum permissable allowables are calculated from the results of the 72hr Ambient Survey performed by Mike Fann & Assoc., which yielded an ambient average of 53 dBA which has been submitted to the City of Colleyville.

Equipment:
B&K Model 2250 Type I ANSI 1.4 Approved
Calibration:
Feb 8 at 114 dB with no deviations
Meter Placement:

Please contact me if you have any questions or comments.

Best regards,

Brian Cackson

Acoustical Consultant
Noise Attenuation Construction (NAC)

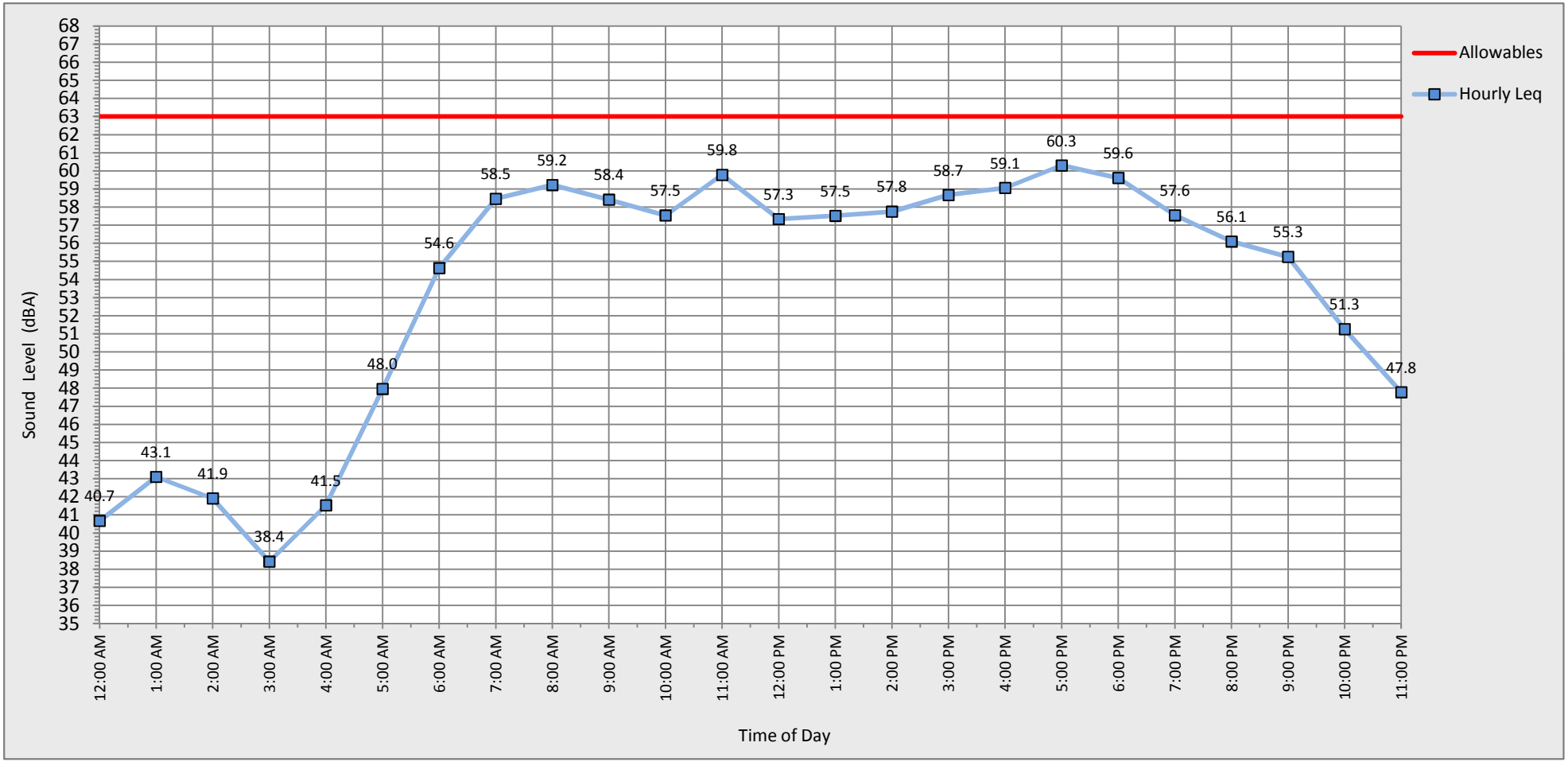
Continuous Daily Monitoring Report

Survey Findings: In Compliance

Audio Recording:	Enabled	
Frequency Logging:	Enabled	
Weighting:	dB in A	Freq in A
Logging Periods:	1 Hour	
Frac Max Allowable:	63	dBA

Raw Data (dBA):

12:00 AM	**40.7**	*8:00 AM*	**59.2**	*4:00 PM*	**59.1**
1:00 AM	**43.1**	*9:00 AM*	**58.4**	*5:00 PM*	**60.3**
2:00 AM	**41.9**	*10:00 AM*	**57.5**	*6:00 PM*	**59.6**
3:00 AM	**38.4**	*11:00 AM*	**59.8**	*7:00 PM*	**57.6**
4:00 AM	**41.5**	*12:00 PM*	**57.3**	*8:00 PM*	**56.1**
5:00 AM	**48.0**	*1:00 PM*	**57.5**	*9:00 PM*	**55.3**
6:00 AM	**54.6**	*2:00 PM*	**57.8**	*10:00 PM*	**51.3**
7:00 AM	**58.5**	*3:00 PM*	**58.7**	*11:00 PM*	**47.8**



Reporting Period: **Feb 7, 2012** **Trinity** **Hourly Averages (Leq)**

Continuous Daily Monitoring Report

NAC
Noise Attenuation Construction

report for:

Titan Operating
Trinity
Report Date: Feb 9 2012
Municipality: City of Colleyville

Operations:	**Fracturing**
Survey Findings:	**In Compliance**
Reporting Period:	Feb 8, 2012

Dear Mr. Brown,

We have measured and calculated the sound levels and the results of the survey are shown in the attached chart.

The graph will display the hourly average (LEQ) sound levels and compare them against the approved allowable sound levels to insure continual compliance at the site.

The maximum permissable allowables are calculated from the results of the 72hr Ambient Survey performed by Mike Fann & Assoc., which yielded an ambient average of 53 dBA which has been submitted to the City of Colleyville.

Equipment:
B&K Model 2250 Type I ANSI 1.4 Approved
Calibration:
Feb 9 at 114 dB with no deviations
Meter Placement:

Please contact me if you have any questions or comments.

Best regards,

Brian Cackson

Acoustical Consultant
Noise Attenuation Construction (NAC)

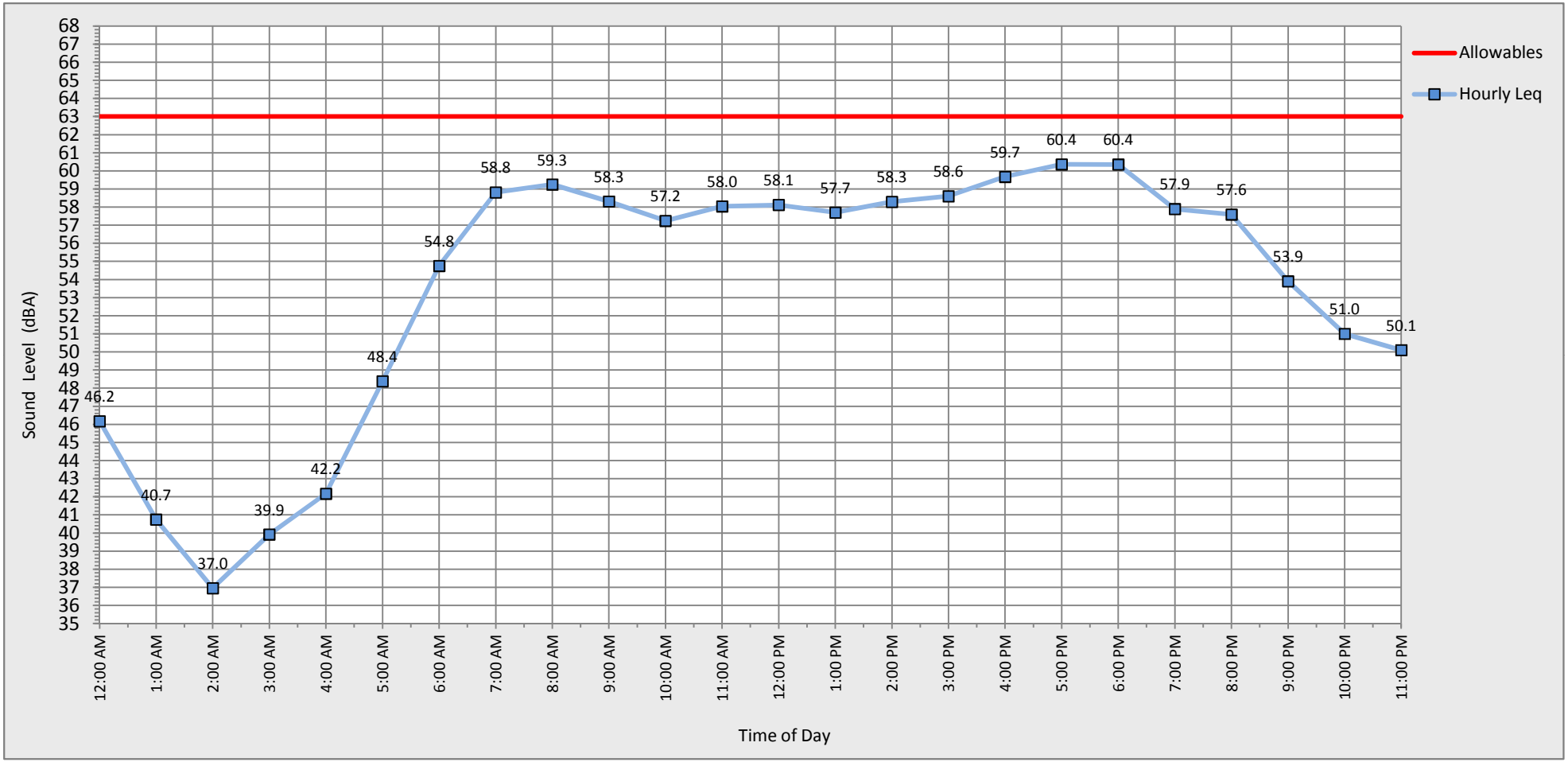
Continuous Daily Monitoring Report

Survey Findings: In Compliance

Audio Recording:	Enabled
Frequency Logging:	Enabled
Weighting:	dB in A Freq in A
Logging Periods:	1 Hour
Frac Max Allowable:	63 dBA

Raw Data (dBA):

12:00 AM	**46.2**	*8:00 AM*	**59.3**	*4:00 PM*	**59.7**
1:00 AM	**40.7**	*9:00 AM*	**58.3**	*5:00 PM*	**60.4**
2:00 AM	**37.0**	*10:00 AM*	**57.2**	*6:00 PM*	**60.4**
3:00 AM	**39.9**	*11:00 AM*	**58.0**	*7:00 PM*	**57.9**
4:00 AM	**42.2**	*12:00 PM*	**58.1**	*8:00 PM*	**57.6**
5:00 AM	**48.4**	*1:00 PM*	**57.7**	*9:00 PM*	**53.9**
6:00 AM	**54.8**	*2:00 PM*	**58.3**	*10:00 PM*	**51.0**
7:00 AM	**58.8**	*3:00 PM*	**58.6**	*11:00 PM*	**50.1**



Reporting Period: **Feb 8, 2012** **Trinity** **Hourly Averages (Leq)**

NAC 900 Taylor Rd. Weatherford TX. 76087 Phone: 888-476-6473 Fax: 817-594-1408 Web: www.nacnow.net